



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 38867

Activity No.: PER20060002

Mr. John Brewster
President
Louisiana Generating, LLC
112 Telly St.
New Roads, LA 70760

RE: Part 70 Operating Permit, Louisiana Generating LLC - Big Cajun II Power Plant
Louisiana Generating, LLC, New Roads, Pointe Coupee Parish, Louisiana

Dear Mr. Brewster:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 2260-00012-V1

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary

CCB:CWS
c: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

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PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
LOUISIANA GENERATING, LLC
BIG CAJUN II UNIT 4
PUBLIC HEARING AND REQUEST FOR PUBLIC COMMENT
ON PROPOSED
PART 70 AIR OPERATING PERMIT MODIFICATION,
PREVENTION OF SIGNIFICANT DETERIORATION (PSD) PERMIT MODIFICATION,
ACID RAIN PERMIT MODIFICATION,
& THE ASSOCIATED ENVIRONMENTAL ASSESSMENT STATEMENT (EAS)

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on the proposed modification of the Part 70, PSD, and Acid Rain Air Permits, and the associated Environmental Assessment Statement (EAS) for Louisiana Generating, LLC, 112 Telly Street, New Roads, LA 70760, for the Big Cajun II Unit 4 Power Plant. **The facility is located 9951 Cajun 2 Road (Hwy 981), near New Roads, in Pointe Coupee Parish.**

The hearing will be held **on Thursday, January 18, 2007, beginning at 6:00 p.m., at the Pointe Coupee Parish Courthouse Annex, Pointe Coupee Parish Police Jury Meeting Room, 160 East Main St., New Roads, LA.** During the hearing, all interested persons will have an opportunity to comment on the proposed permits and the EAS.

Louisiana Generating, LLC requested an expansion of the Big Cajun II Power Plant by constructing and operating a new pulverized coal boiler, Boiler No. 4(2B4). The new boiler will be capable of using both low-sulfur, Powder River Basin (PRB), sub-bituminous coal and high sulfur bituminous coal as fuel. The additional material handling sources, including fuel delivery, fuel conveyance, ash handling, limestone handling, and gypsum handling facilities, will also be installed with this modification. The Big Cajun II Power Plant is currently comprised of three 575 megawatt (MW) pulverized coal (PC) boilers. Boilers 1 through 3 are each rated at 6,420 MM BTU/hr and can potentially fire 3,440,548 tons of PRB coal per year each. Boiler No. 4 will be a proposed nominal 705 MW pulverized coal boiler. the Unit 4 PC boiler can potentially fire 3,595,000 tons/yr of PRB coal or 2,703,000 tons/yr of bituminous coal. The Louisiana Generating LLC - Big Cajun II Power Plant currently operates under Permit No. 2260-00012-V0, 2260-00012-IV2, and PSD-LA-677, issued August 22, 2005.

The Big Cajun II Power Plant is a major source under the PSD program, LAC 33:III.509 The modifications associated with the aforementioned project will result in a significant net emissions increase of the following pollutants: particulate matter (PM/PM10), sulfur dioxide (SO2), nitrogen oxides (NOX), carbon monoxide (CO), volatile organic compounds (VOC), sulfuric acid mist (H2SO4), and fluorides (HF). Therefore, PSD requirements, including best available control technology (BACT) apply. The selection of BACT was based on a top down approach; a more thorough discussion of the BACT selection process can be found in the proposed permit PSD-LA-677(M-1).

Neither the project nor the general commercial, residential, industrial, or other growth associated with it is expected to have a significant adverse impact on soil, vegetation, visibility, or air quality in the area of the facility or any Class I area. Because the maximum modeled PM10 (3-hour and 24-hour) and SO2 (3-hour and 24-hour) impacts exceeded their respective modeling significance levels, a determination of increment consumption was required, and the results are summarized in the following table. Modeling demonstrates compliance with the allowable Class II PSD increments.

Pollutant	Averaging Period	Increment Consumption ($\mu\text{g}/\text{m}^3$)	Allowable Class II PSD Increment ($\mu\text{g}/\text{m}^3$)
PM ₁₀	24-hour	17.32	30
	Annual	0	17
SO ₂	3-hour	336.7	512
	24-hour	59.54	91

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	9,099.5	8,726.27	- 373.23
SO ₂	101,179.2	101,183.03	+ 3.83
NO _x	19,730.4	19,751.59	+ 21.19
CO	50,815.8	50,820.57	+ 4.77
VOC *	740.8	408.03	- 332.77

* Toxic compounds include the following compounds whose change is above the Minimum Emission Rate (MER listed in LAC 33:III.Chapter 51.Table 51.1: Acetaldehyde, Acrolein, Antimony (& compounds), Arsenic (& compounds), Barium (& compounds), Beryllium (Table 51.1), Cadmium (& compounds), Chlorobenzene, Chloroform, Copper (& compounds), 1,2-Dichloroethane, Dichloromethane, Hydrochloric Acid, Hydrofluoric Acid, Hydrogen Cyanide, Manganese (& compounds), Mercury (& compounds), Nickel (& compounds), Polynuclear Aromatic Hydrocarbons, Propionaldehyde, Selenium, (& compounds), and Sulfuric Acid.

Estimated emissions increases due to the project in tons per year (TPY) are as follows:

Pollutant	Emission Rate Increase	PSD de Minimus	Review Required
PM/PM ₁₀	487.6	25/15	Yes
SO ₂	2,876	40	Yes
NO _x	2,013	40	Yes
CO	3,883	100	Yes
VOC	97.7	40	Yes
H ₂ SO ₄ Mist	215.7	7	Yes
Lead	0.54	0.6	No
Fluoride	16.03	3	Yes

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

All interested persons will be afforded the opportunity to comment on the proposed Part 70, PSD, and Acid Rain Permit Modifications and the EAS.

The EAS submitted by the applicant addresses avoidance of potential and real environmental effects, balancing of social and economic benefits against environmental impact costs, and alternative sites, projects, and mitigative measures.

Written comments or written requests for notification of the final permit decision regarding this permit action may also be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests for notification must be received by 12:30 p.m., Monday, January 22, 2007.** Written comments will be considered prior to a final permit decision.

LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit modification applications, proposed permits, statement of basis, EAS, and related material are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Pointe Coupee Parish Library, 201 Claiborne St., New Roads, LA 70760-3403.

Individuals with a disability, who need an accommodation in order to participate in the public hearing, should contact Calvin Fair, at the above LDEQ, Public Participation Group address, or by phone at (225) 219-3283.

Inquiries or requests for additional information regarding these permit actions should be directed to Mr. Christopher Smith, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3112.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permits and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 38867, and:

Type of Permit	Activity Tracking Number	Permit Number
Part 70 Permit Modification	PER20060002	2260-00012-V1
PSD Modification	PER20060003	PSD-LA-677(M-1)
Acid Rain Permit Modification	PER20060004	2260-00012-IV3

Publication Date: Thursday, December 14, 2006

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana**

I. Background

Louisiana Generating, LLC (LaGen), a subsidiary of NRG Energy, Inc., operates the Big Cajun Power Plant near New Roads, Louisiana, in Pointe Coupee Parish. The Big Cajun II Power Plant, an existing power station, began operation after 1980. Big Cajun II Unit 4, LLC, also a subsidiary of NRG Energy, Inc., was granted approval to construct Boiler No. 4 in Permit No. 2260-00012-V0. This boiler will also be operated by LaGen when completed. The Louisiana Generating LLC - Big Cajun II Power Plant currently operates under Permit No. 2260-00012-V0, 2260-00012-IV2, and (Prevention of Significant Deterioration) PSD-LA-677, issued August 22, 2005.

This is a modification to the Part 70 operating permit for the facility and includes provisions for a modification to PSD-LA-677 and 2260-00012-IV2.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Louisiana Generating, LLC on April 28, 2006, requesting a Part 70 operating permit modification. Additional information dated June 28, July 13, July 21, August 28, September 12, September 22, September 28, October 2, October 6, October 23, November 8, and November 29, 2006, was also received.

III. Description

The Big Cajun II Power Plant is currently comprised of three 575 megawatt (MW) pulverized coal (PC) boilers. Each boiler is fired by low-sulfur, Powder River Basin (PRB) subbituminous coal. These boilers are owned and operated by LaGen and began operation in the early 1980's. Boilers 1 through 3 are each rated at 6,420 MM BTU/hr and can potentially fire 3,440,548 tons of coal per year each. Boiler No. 4, or the Unit 4 PC boiler, is a proposed nominal 705 MW pulverized coal boiler.

The Unit 4 PC boiler had been designed to operate with low sulfur subbituminous coal from the Powder River Basin. In response to both facility reliability and economic considerations of future fuel availability, Big Cajun II Unit 4, LLC, has amended the plan for the Big Cajun II Unit 4 Project to include a second fuel supply: high-sulfur bituminous coal.

Based on the design firing rate of the Unit 4 PC boiler (6,566 MMBtu/hr), and the worst-case heating value of PRB coal (8,000 Btu/lb) and high-sulfur bituminous coal (10,641 Btu/lb), the Unit 4 PC boiler can potentially fire 3,595,000 tons/yr of PRB coal or 2,703,000 tons/yr of bituminous coal. Therefore, the potential coal usage rate for the entire Big Cajun II Power Plant will be approximately 13,916,644 tons per year following the start-up of Unit 4. Big Cajun II's boilers are also permitted to burn diesel for startup purposes.

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Description of Unit 4 Power Cycle and Combustion Operations

From the power generation cycle perspective, the following is a simplified description of the principles of operation of a PC power plant. Coal is reduced to a fine powder, mixed with an appropriate amount of air, and combusted in a steam generator. The steam generator is often referred to as the boiler. The energy produced during the combustion process heats water which circulates in the steam generator tubes and converts the water to steam. The steam is heated further and transported from the steam generator to the steam turbine, where, as it passes through a series of fixed and rotating vanes, the steam causes the turbine to rotate at a controlled speed. The rotating turbine provides the mechanical motive energy to the directly coupled generator, which converts the mechanical energy into electrical energy.

In the condenser, the turbine exhaust steam is condensed back into water as heat is indirectly transferred from the steam to cooling water that is circulated through the condenser tubes. The steam condensate exits the condenser and is returned back to the boiler and the steam cycle repeats. The heated cooling water leaving the condenser is transported to a cooling tower, which rejects the heat to the atmosphere through latent and sensible heat exchange caused by bringing the water into direct contact with air. The cooled cooling water is collected in a basin at the bottom of the tower, where the circulating water pumps provide motive force to transport the water through the condenser and back to the tower as the cooling water cycle repeats.

From an air pollution control perspective, the major source of air pollutants is the flue gas from the PC boiler. A description of the Unit 4 flue gas treatment for air pollution control purposes is presented as follows.

Flue gas from the Unit 4 PC boiler will first be routed through a selective catalytic reduction (SCR) unit where, with the addition of ammonia and the presence of a catalyst, a large portion of NO_x from the combustion process will be converted to nitrogen and water. In addition to SCR, the steam generator will be equipped with low- NO_x burners (LNB) to reduce NO_x formation in the combustion process. Because SCR requires a fairly high temperature to operate effectively, the SCR unit will be installed in the back pass of the boiler upstream of the air heater. Ammonia slip, or excess unreacted ammonia, will be limited to 2 ppmv in the flue gas that exits the stack.

The hot flue gases next pass through an air preheater, where the flue gas indirectly heats combustion air that is headed either directly to the PC boiler or to the coal pulverizers to pneumatically transport the pulverized coal to the PC boiler. Atmospheric air is supplied to the air preheater by the forced draft fans.

In order to control mercury to the levels indicated in the New Source Performance Standards (NSPS) Subpart Da, a sorbent injection system may be needed. A material that will absorb mercury, potentially activated carbon, will be injected into the flue gas stream. This material will absorb mercury in the gas stream. In a similar fashion, a second sorbent will be injected into the gas stream in order to reduce the concentration of sulfur trioxide (SO_3), a precursor

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to sulfuric acid mist. This will be added both to control sulfuric acid mist emissions and as a protection for the baghouse bags to prevent corrosion and extend bag life. The flue gases are then routed to the next control device: the baghouse. The ash, sorbents, and other particulate matter suspended in the flue gas stream will be collected in baghouse fabric filter modules. In the baghouse, particulate matter collects on the filter bags as the gas passes through. The collected PM forms a cake in the bags, which enhances the filter efficiency. Periodically, the bags are cleaned by reverse air deflation, shaking, or air pulsing. The particulate matter cleaned from the bags falls into hoppers below the filter bags.

A Wet Flue Gas Desulfurization (Wet FGD) system will be installed after the baghouse to remove SO₂ from the flue gases. In a Wet FGD, the flue gas enters a large vessel (spray tower or absorber), where it is sprayed with water slurry containing approximately 15 to 20 percent limestone. The calcium in the slurry reacts with the SO₂ to form calcium sulfite (CaSO₃) or calcium sulfate (CaSO₄). Compressed air is injected into the slurry to oxidize calcium sulfite to calcium sulfate or gypsum (CaSO₄·2H₂O). A portion of the slurry from the reaction tank is pumped to a set of hydrocyclones to concentrate the slurry from 15 to 20 percent to approximately 50 percent solids. The hydrocyclone underflow with 50 percent solids is further dewatered in a belt filter to a gypsum product with 10 to 15 percent moisture. Hydrocyclone overflow with fine gypsum crystals and unreacted limestone is returned to the absorber for further reaction. Gypsum product from belt filter discharge is by belt conveyors to gypsum storage for sale or disposal.

By controlling the gypsum quality in the dewatering step, wallboard-grade gypsum can be produced. Almost all Wet FGD systems in the United States in recent years use limestone with forced oxidation to produce commercial grade or disposal grade gypsum depending on local market for gypsum.

Following the FGD system, the flue gases are routed to the main stack. The stack will be equipped with Continuous Emissions Monitoring Systems (CEMS).

Material Handling

Coal Processing Operations

Big Cajun II currently receives all coal through a barge unloading facility. To allow the diversification of the coal supply to the facility, the Unit 4 project includes a new rail spur, a potential new coal unloading facility for railcars, and new coal conveyors and ancillary facilities needed to convey coal from the rail car unloading facility to the new coal storage piles. For maximum operational flexibility, Big Cajun II Unit 4, LLC is seeking to permit the entire potential annual coal usage such that the entire throughput could occur through either the barge unloading operation or the railcar unloading operation. The existing barge unloading system and associated conveyors, which feed the existing coal piles, are currently sized and permitted to handle the additional throughput of the Unit 4 project. The Big Cajun II Power Plant currently has two existing coal piles – an east pile and a west pile.

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Coal is received by barge on the Mississippi River and transferred, via bucket elevator, to Conveyor BC1. From here, the fuel is routed through Transfer Towers T1, T2, and T3 on conveyors BC2 and BC3. From Transfer Tower T3 the fuel is then diverted to the appropriate systems. Coal bound for the east storage pile is diverted onto Conveyor BC4 for transport to the pile. Coal bound for the west pile is diverted onto Conveyor BC4 for transport to the pile or is transferred onto Conveyor BC13 to Transfer Tower T8 and then diverted onto Conveyor BC16 and deposited onto the west coal pile. Reclaim activities differ depending from which pile the coal is being reclaimed. From the east or west pile, coal is transferred via Conveyor BC4A/B to Transfer Tower T4. Alternatively, from the west coal pile, material may be transferred onto Conveyor BC15 to Transfer Tower T8 and then on Conveyor BC14 to Transfer Tower T4. Once the coal is in Transfer Tower T4, it is crushed and moved via Conveyor BC5A/B to the tripper deck for Units 1 and 2. Material can be diverted within the Units 1 and 2 tripper deck to Unit 3 via a totally enclosed conveyor.

In order to transport coal to the new storage piles from the barge, several new conveyors will be added. A new conveyor (BC28) will move coal from the existing Transfer Tower T8 to Transfer Tower T20. From T20, coal can follow several process paths. In order to be deposited on the main storage piles, it is transferred onto Conveyor BC22 where it is then deposited into the appropriate storage pile.¹ If due to some emergency condition BC22 or the stacker system is not in operation, the coal can be diverted from T20 to an emergency storage pile via conveyor BC21. From Conveyor BC21, it will be transferred onto the emergency storage pile through a telescoping chute to control emissions. As this is an emergency pile, Big Cajun II Unit 4, LLC, does not intend to utilize this system on a regular basis.

In addition, in order to control particulate matter emissions from some the existing transfer points, LaGen will install some additional controls. On the existing transfer points T1, T1A, T2, and T3, LaGen is planning to install "spoon chutes." These devices act as paths for the fuel to follow and do not allow the fuel to be in free fall. This has the effect of greatly reducing the particulate matter emissions, and the manufacturer estimates that the emissions can be reduced by 98.5 percent. In addition, the baghouse that was previously in use at the barge unloading operations will be re-activated. This will capture and control the vast majority of particulate matter emissions from the unloading operations. It is estimated that the new baghouse will reduce particulate matter emissions by at least 90 percent.

For rail delivery of coal the following methodology will be used to transport coal to the new storage piles. Railcars containing coal will be positioned within a building, and the car will be rotated to dump the coal into receiving hoppers. From the receiving hoppers, the coal will be transported via Conveyor BC20 to Transfer Tower T20. From T20, the coal will be diverted, as described above, to the appropriate storage pile or to the emergency pile.

¹ As Big Cajun II Unit 4 will have the ability to burn either PRB or eastern bituminous coal, the fuel must be kept in separate piles. The new stacker/reclaim system that is being developed and permitted for this project will have the ability to deposit the fuel in the appropriate pile. In addition, both types of coal will have an active and a reserve pile. Currently planning is for limited use of the reserve storage piles.

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For reclaim operations, three different independent systems are planned. For all normal operations, the coal in the appropriate storage pile (bituminous or subbituminous) will be reclaimed via a portal reclaimer. A portal reclaimer is a system by which the coal is slowly pulled off of the storage pile via a "scooping" type of system and deposited onto Conveyor BC29 for transport to Transfer Tower T20. If for some reason the portal reclaimer or BC29 are experiencing a malfunction, coal can be reclaimed from the piles via an emergency reclaim system. The appropriate coal will be directed to a Stamler reclaim feeder by a bulldozer. The Stamler feeder will deposit the coal via Conveyors BC32 A/B onto Conveyor BC31 which will transfer the coal to T20. If the coal was diverted to the emergency storage pile, it can be transferred into a hopper which deposits the coal onto Conveyor BC24. Conveyor BC24 will move the coal to the Unit 4 crusher tower, T22.

Any coal that is reclaimed into Transfer Tower T20 is then transferred via Conveyor BC23 to the Unit 4 Crusher Tower T22. Here, the coal is fed to surge bins and to one of two crushers to break the coal down into smaller pieces. The coal is then deposited onto Conveyor BC26A/B and transported to the Unit 4 plant Transfer Tower T23. The coal is then transferred internally to pulverizers and silos where it is stored prior to being fed to the Unit 4 boiler.

From an air pollution control perspective, all Unit 4 coal conveyors will be covered to reduce the release of PM emissions. PM emissions from all Unit 4 transfer towers, including the primary coal crusher, will be captured and controlled by baghouse dust collectors. Wetting agents will be used on the coal piles and other locations, as necessary, to prevent the release of fugitive coal dust emissions. No air emissions are generated from coal pulverization because the coal from this operation is pneumatically conveyed directly to the PC boiler where combustion takes place.

Ash Processing Operations

Two types of ash will be generated by Unit 4: fly ash and bottom ash. Fly ash will be collected from the economizer outlet hopper, the air heater outlet hopper, and the main fabric filter hoppers. The fly ash system will be an enclosed pneumatic conveying system that takes the ash from the hoppers and conveys it to two collection silos. The fly ash collection silos are equipped with baghouses for PM control. Fly ash from the silo will either be directly sold as a product and hauled away by truck, or trucked to the on-site storage area.

Fly ash truck loading and transport operations are designed to minimize PM emissions. For ash that is intended for off-site consumption, all emissions from truck loading operations will be captured and routed to the baghouse dust collection system associated with the hopper that is being emptied. Big Cajun II operates a road wetting truck to minimize emissions from truck traffic within the plant. If the ash is shipped to the on-site storage area, it will be conditioned to achieve approximately 12 percent moisture content prior to loading it into trucks. This will greatly reduce the emissions from this operation and will minimize the unloading emissions at the on-site storage pond.

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Bottom ash will be collected from the furnace bottom ash hopper. Bottom ash from the furnace is removed by a water sluice system that transports the bottom ash in an enclosed piping system to a truck loading area. The bottom ash has a consistency of wet sand, and is deposited directly into trucks for shipment to off-site consumers or to the bottom ash pond. Since the bottom ash is handled wet in an enclosed system, there is virtually no potential for air emissions from bottom ash processing operations.

Limestone Processing Operations

The limestone for the Wet FGD system will be supplied to the plant primarily by railcar. Limestone in railcars will be brought to an unloading system that is completely separate from the coal railcar unloading system. The limestone will be removed from the railcars via a bottom dump into a receiving hopper. Emissions arising from the unloading operations will be controlled through the use of a water suppression system. From the hopper, the material is fed onto a primary conveyor (Conveyor BC34) that transports it to the Limestone Transfer Tower, where emissions are controlled by controlled flow chutes and a dry fogging system. The limestone then moves on Conveyor BC35 to a telescoping chute where it is deposited on the limestone storage pile. The pile is watered as needed to control fugitive emissions.

Limestone is reclaimed as needed in one of two Stamler feeders and conveyed via BC36 to limestone day bins. The transfer of the material from the conveyor into the day bins is controlled by a dust collector as the bins are located within the reagent preparation building. Within the building, limestone is crushed in a wet ball mill and mixed into a slurry in preparation for its delivery to the Wet FGD system. There are no emissions from the crushing or slurry system as it is entirely self contained and done in a wet environment.

In case of emergencies, a backup system whereby limestone can be delivered to the facility via trucks is also planned. Limestone would be brought onsite by trucks and deposited in an area near the limestone railcar unloading system. From here, bulldozers will move the limestone as needed to a Stamler feeder reclaim where the limestone will be transferred to Conveyor BC34 and then through the rest of the limestone system as described above.

Gypsum Processing Operations

Gypsum is produced in the Wet FGD system as a by-product of the SO₂ removal from the flue gas stream. The gypsum has a high moisture content (10-11 percent) and is transferred to the gypsum dewatering building where excess water is removed from the material and recycled into the Wet FGD system. The gypsum still has a high moisture content and is moved via conveyor to outdoor storage piles. The material is loaded onto trucks, as needed for transport to off-site customers or to the on-site landfill. In the event of a problem with the gypsum stack-out system, the gypsum can be kept inside of the dewatering building and removed via truck in that manner.

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There are few emissions associated with the gypsum system. The material has a high moisture content, and therefore has few particulate matter emissions. The conveyor transfer points have been identified in order to provide potential emission sources. However, due to the high material moisture content, emissions from these sources should be insignificant.

Sorbent Operations

For Big Cajun II Unit 4, two potential sorbent injection systems are proposed. In order to reduce mercury from the flue gas stream, it is possible that a dry sorbent, potentially powdered activated carbon (PAC), would need to be injected into the gas stream. PAC is a fine powdery substance and is a potential particulate matter emission source. Should Big Cajun II Unit 4, LLC choose to utilize PAC to control mercury emissions, the material would be trucked on-site and transferred into a silo using a pneumatic system. Emissions would be controlled through the use of a high efficiency filtration system, which would reduce emissions by at least 99 percent.

A second sorbent may be necessary in order to reduce sulfuric acid mist in the gas stream prior to the baghouse. This is not intended to actively control the outlet sulfuric acid mist emission rate as much to reduce bag corrosion and extend bag life. It is possible that a dry alkaline sorbent would need to be injected into the gas stream. This sorbent could potentially be a fine powdery substance and is a potential particulate matter emission source. Should Big Cajun II Unit 4, LLC choose to utilize a dry sorbent injection system to control sulfuric acid mist emissions, the material would be trucked on-site and transferred into a silo using a pneumatic system. Emissions would be controlled through the use of a high efficiency filtration system, which would reduce emissions by at least 99 percent.

Cooling Tower

Unit 4 includes a cycle heat rejection system that uses a condenser and a dedicated new conventional counter flow mechanical draft wet cooling tower. Steam from the steam turbine exhaust is condensed by indirect cooling from circulating cooling water. The circulating water is then cooled by the cooling tower. The warm circulating cooling water from the steam condenser flows downward through the cooling tower in counter flow to an upward current of air induced by the cooling tower fans. The cooled water is collected in a basin at the bottom of the cooling tower. This basin is the supply point for the closed loop circulating water system. Circulating water is pumped from the cooling tower basin through the steam condenser and back to the water distribution system at the top of the cooling tower. The water is cooled by evaporation and sensible heat transfer as it flows down through the cooling tower.

Emissions of PM can be realized from cooling tower operations when drift (small water droplets) escape the cooling tower. As the cooling tower drift evaporates, any Total Dissolved Solids (TDS) in the drift will become PM emissions. As discussed in Part 4, Best Available Control Technology (BACT), PM emissions from the cooling tower are minimized by using a mechanical drift eliminator that keeps drift to 0.002 percent of the circulating

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water rate. The TDS level in the circulating cooling water is kept to approximately 1,200 ppmw by maintaining a cooling water blowdown discharge which will be utilized as makeup to the Wet FGD or sent to the Big Cajun II LPDES wastewater treatment system. Makeup water to the cooling tower is obtained from the Mississippi River.

Big Cajun II Unit 4 Project

Under the provisions of 2260-00012-V0 and PSD-LA-677, the Unit 4 PC boiler had been designed to operate with low sulfur subbituminous coal from the Powder River Basin (PRB). In response to both facility reliability and economic considerations of future fuel availability, Big Cajun II Unit 4, LLC, has amended the plan for the Big Cajun II Unit 4 Project to include a second fuel supply: high-sulfur bituminous coal. The Big Cajun II Unit 4 Project design, including the air pollution control technologies, is being revised to utilize both fuels separately and blended. The vast majority of air pollution control equipment will remain as specified in PSD-LA-677. However, because of the inherent differences in the two coals, modifications to BACT and the Part 70 permit are required. The Unit 4 PC boiler will be supported by other new emission sources for material handling and transfer of fuel and limestone including barge unloading operations, conveyors, storage piles, and mobile heavy equipment operation over paved and unpaved roads.

This permit modification of the Big Cajun II Unit 4 project includes the use of two coals that have both common and uncommon pollution parameters. The PRB or low-sulfur subbituminous coals have a modest heat content but low sulfur and ash contents. The high-sulfur coal, although similar in some respects to the low-sulfur coal, has a significantly higher heat content, which partially compensates for higher sulfur and ash contents.

Comparison of Emission Potential Low-Sulfur vs. High-Sulfur Coal

Emission Precursor Coal Element	Low-Sulfur Coal (PRB)		High-Sulfur Coal (Illinois)	
	Percent	Lb Element/ MM BTU	Percent	Lb Element/ MM BTU
Ash	8.50	10.63	10.2	9.27
Sulfur	0.50	0.625	3.50	3.18
Heat Content	8,000 BTU/lb (As Received)	-	11,004 BTU/lb (As Received)	-

The inclusion of high sulfur coals in the fuel mix for Big Cajun II Unit 4 has a significant effect on the emissions for which BACT must be demonstrated. The high-sulfur coal will be the critical fuel for BACT selection and design of the PM/PM₁₀, SO₂, and Sulfuric acid mist (H₂SO₄ mist), control systems. For these pollutants, a revised BACT demonstration is needed for these emissions.

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Other pollutant emissions, including NO_x, CO, Beryllium, and Mercury, should not change significantly as a result of the coal characteristics. For these pollutants, with the exception of mercury, the low-sulfur coal will remain the critical fuel for BACT selection and design. For VOC, updated design information indicates that the permitted BACT technology, Combustion Control, is capable of maintaining VOC emissions less than 0.0034 lb/MMBtu rather than the originally permitted 0.015 lb/MMBtu.

Lead and fluorine concentrations in coal can vary significantly, even within the same supply region. Big Cajun II Unit 4, LLC reviewed fluorine concentration data from coals in Wyoming (the primary supply region for PRB coal) and the Illinois Basin (primary supply region for high-sulfur bituminous coal) that are provided by the United States Geological Service (USGS). These data indicated a range of fluorine concentrations from 14 to 4,000 ppmw for Wyoming coals and from 13 to 700 ppmw for Illinois Basin coals. Although this reflects wide uncertainty, it is possible that the high-sulfur bituminous coal will be design critical for fluorine.

Estimated emissions increases due to the project in tons per year (TPY) are as follows:

Pollutant	Emission Rate Increase (TPY)	PSD de Minimus (TPY)	Review Required
PM/PM ₁₀ (filterable)	487.6	25/15	Yes
SO ₂	2,876	40	Yes
NO _x	2,013	40	Yes
CO	3,883	100	Yes
VOC	97.8	40	Yes
H ₂ SO ₄ mist	215.7	7	Yes
Lead	0.54	0.6	No
Fluorides	16.03	3.0	Yes

A comparison of the controlled potential to emit and the respective PSD significance levels for PM/PM₁₀, SO₂, NO_x, CO, VOC, H₂SO₄ mist, and fluoride emissions, associated with the Big Cajun II Unit 4 Project, indicates that all but lead are greater than their PSD significance levels and are subject to BACT review.

The "top-down" approach was used in this analysis to evaluate available pollution controls of PM/PM₁₀, SO₂, H₂SO₄ mist, and fluoride emissions for the Big Cajun II Unit 4 Project. To account for the proposed modification to use two coal types, Big Cajun II Unit 4, LLC performed the BACT analysis based on available data for both fuels; low-sulfur subbituminous coal and high-sulfur bituminous coal. The combustion of low- and high-sulfur coals result in different emission limits for the PSD pollutants of concern. Therefore, for each pollutant, Big Cajun II Unit 4, LLC, identified the technology (and corresponding emission limit) that meets the BACT requirements while allowing for the desired flexibility

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in the combustion feedstock. In other words, BACT may not necessarily correlate to the lowest identified emission limit for all fuel types, but provides the emission limit for the most difficult to control fuel source. The selection of BACT was based on a "top down" approach and included consideration of control of toxic materials. A more thorough discussion of the BACT selection process can be found in PSD-LA-677(M-1).

Big Cajun II is also subject to the provisions of the Acid Rain Program under 40 CFR Part 72 and LAC 33:III.505.

Startup/Shutdown emissions for the Big Cajun II Unit 4 Power Plant have been included into this permit modification for the boilers. In order to minimize air emissions during start-up operations, the permittee shall fire distillate fuel oil during start-up to raise the temperature within the combustion chamber of the PC steam generator to a point where the emissions from the combustion of the solid fuel source can be controlled shortly after its introduction by the inherent features of the PC technology and the add-on controls for the boiler. The maximum lb/hr rate provided in the permit for the three existing boilers, EQT027, 2B1 - Boiler No. 1, EQT028, 2B2 - Boiler No. 2, and EQT029, 2B3 - Boiler No. 3, included startup/shutdown operations.

The maximum lb/hr rate provided in the permit for the new boiler, EQT021, 15-01 - Boiler No. 4(2B4), did not include the startup/shutdown emissions; therefore, these emissions are displayed as scenarios in the Part 70 permit modification and PSD permit. Under EQT021, 15-01 - Boiler No. 4(2B4), only the annual emissions are displayed in the sections "Emission Rates for Criteria Pollutants" and "Emission Rates for TAP/HAP & Other Pollutants." The emissions listed under EQT021 represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations over 8,760 hours per year. The permittee can select which scenario, and its associated Average (lb/hr) and Maximum (lb/hr) rates, to operate under without exceeding the maximum PTE.

Scenario 1 provides the Maximum (lb/hr) emissions for startup/shutdown operations occurring under a 'cold' startup. A cold startup is defined as when the turbine metal temperature in the first stage has dropped to less than 300 degrees F. A cold startup requires an extended period to warm and evenly heat the turbine when starting up and build pressure slowly to avoid damaging the machine (referred to as Prewarm). Scenario 2 provides the Maximum (lb/hr) emissions for startup/shutdown operations occurring under a 'hot' startup. A hot start up is defined as the turbine metal temperature in the first stage is greater than 300 degrees F. Hot startup requires no Prewarm. Big Cajun II Unit 4 must monitor and maintain the water quality in the boiler, which must be within certain limits as pressure is increased. This is to prevent carryover of potential contaminants in the steam to the turbine. Scenario 3 provides the Average (lb/hr), Maximum (lb/hr), and Annual (TPY) emissions for EQT021, 15-01 - Boiler No. 4(2B4), occurring under normal operations of the boiler over 8,760 hours per year. Start-up/shut-down emissions are not included in Scenario 3.

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Existing sources at the Big Cajun II Unit 4 Power plant which remain unchanged by the modification include Boilers No. 1, No. 2, and No. 3; Unit 1 & Unit 2 Bunker Room; Unit 3 East and West Bunker Room; and Fly Ash Handling Emissions. Operations at Cooling Towers No. 1 and No. 2 also remain unchanged. Other existing sources at the power plant have been modified, redesignated, or removed from the proposal.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	9,099.5	8,726.27	- 373.23
SO ₂	101,179.2	101,183.03	+ 3.83
NO _x	19,730.4	19,751.59	+ 21.19
CO	50,815.8	50,820.57	+ 4.77
VOC *	740.8	408.03	- 332.77

* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Acetaldehyde	-	1.02	+ 1.02
Acrolein	-	0.520	+ 0.520
Benzene	9.0	9.03	+ 0.03
Biphenyl	-	< 0.01	+ < 0.01
Carbon Disulfide	-	0.23	+ 0.23
Chlorobenzene	-	0.039	+ 0.039
Chloroethane	-	0.08	+ 0.08
Chloroform	-	0.11	+ 0.11
Cumene	-	0.01	+ 0.01
1,2-Dibromoethane	-	0.002	+ 0.002
1,2-Dichloroethane	-	0.072	+ 0.072
Ethyl benzene	-	0.17	+ 0.17
Formaldehyde	1.7	1.612	- 0.088
Methyl chloride	-	0.95	+ 0.95
Methyl ethyl ketone	-	0.70	+ 0.70
n-Hexane	-	0.12	+ 0.12
Naphthalene	-	0.02	+ 0.02
Phenol	-	0.03	+ 0.03
Polynuclear Aromatic Hydrocarbons	-	0.014	+ 0.014
Propionaldehyde	-	0.68	+ 0.68
Styrene	-	0.05	+ 0.05
1,1,2,2-Tetrachloroethane	-	0.08	+ 0.08
Toluene	-	0.43	+ 0.43
Vinyl Acetate	-	0.01	+ 0.01
Xylene (mixed isomers)	-	0.07	+ 0.07
Total	10.7	16.05	

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* Other VOC (TPY): 391.98

Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	50.0	43.74	- 6.26
Antimony (and compounds)	0.02	0.045	+ 0.025
Arsenic (and compounds)	0.23	0.804	+ 0.574
Barium (and compounds)	32.1	33.005	+ 0.905
Beryllium (Table 51.1)	0.03	0.061	+ 0.031
Cadmium (and compounds)	0.01	0.045	+ 0.035
Chlorine	1.5	0.15	- 1.35
Chromium VI (and compounds)	0.46	0.241	- 0.219
Copper (and compounds)	1.1	1.074	- 0.026
Dichloromethane	-	0.52	+ 0.52
Hydrazine	-	< 0.001	+ < 0.001
Hydrochloric Acid	1,180.0	1,294.54	+114.54
Hydrofluoric Acid	226.4	241.63	+ 15.23
Hydrogen Cyanide	-	4.49	+ 4.49
Manganese (and compounds)	2.3	2.97	+ 0.67
Mercury (and compounds)	0.69	0.745	+ 0.055
Nickel (and compounds)	0.46	0.801	+ 0.341
Selenium (and compounds)	0.12	1.895	+ 1.775
Sulfuric Acid	38.7	254.40	+ 215.7
1,1,1-Trichloroethane	-	0.04	+ 0.04
Zinc (and compounds)	1.0	0.96	- 0.04
Total	1,535.12	1,882.16	

LAC 33:III Chapter 51 Supplemental Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Acetophenone	-	0.03	+ 0.03
Benzyl Chloride	-	1.26	+ 1.26
Bromoform	-	0.07	+ 0.07
Cobalt compounds	0.23	0.33	+ 0.10
2,4-Dinitrophenol	-	< 0.01	+ < 0.01
Dimethyl sulfate	-	0.09	+ 0.09
Isophorone	-	1.04	+ 1.04
Lead compounds	0.23	0.75	+ 0.52
Methyl Bromide	-	0.29	+ 0.29
Methyl Tertiary Butyl Ether	-	0.06	+ 0.06
Total	0.46	3.92	

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and Prevention of Significant Deterioration (PSD). New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) apply to this facility.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

Ammonia, Barium, Hydrochloric Acid, Hydrofluoric Acid, and Sulfuric Acid are major under LAC 33:III.Chapter 51. Per LAC 33:III.5105.B.2, the electric utility steam generating units: EQT021, 15-01 – Boiler No. 4(2B4); EQT027, 2B1 – Boiler No. 1; EQT028, 2B2 – Boiler No. 2; EQT029, 2B3 – Boiler No. 3, are currently exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. However, ammonia emissions from the Selective Catalyst Reduction (SCR) system on Boiler No. 4(2B4) are regulated under LAC 33:III.Chapter 51. Ammonia, Hydrochloric Acid, Hydrofluoric Acid, and Sulfuric Acid are considered Class III TAPs and do not require MACT analysis. Emissions of Barium, a Class II TAP, are above the Minimum Emission Rate (MER) and therefore sources of Barium require Maximum Achievable Control Technology (MACT).

Big Cajun II Unit 4 conducted a modeling analysis of Toxic Air Pollutants (TAPs) with both chronic effects, (e.g., carcinogenic, such as benzene) and acute effects (such as ammonia). The modeled results were compared to 7.5 percent of the standard in LAC 33:III.Chapter 51.Table 2 at all off property receptors. For all TAPs, it was determined that none of the off-site impacts exceeded 7.5 percent of the standard, and no further modeling was required. Also, the selection of control technology based on the BACT analysis included consideration of control of toxic emissions.

The Big Cajun II Power Plant is subject to the following NSPS and NESHAP regulations:

- NSPS – Subpart D – Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971
- NSPS – Subpart Da – Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978
- NSPS – Subpart Y – Standards of Performance for Coal Preparation Plants
- NSPS – Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants
- NSPS – Subpart HHHH – Emission Guidelines and Compliance Times for Coal-Fired Electric Steam Generating Units
- NESHAP – Subpart M - National Emission Standard for Asbestos

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable

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requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006; and in the <local paper>, <local town>, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
PM ₁₀	24-hour	22.45 $\mu\text{g}/\text{m}^3$	(150 $\mu\text{g}/\text{m}^3$)
	Annual	5.79 $\mu\text{g}/\text{m}^3$	(50 $\mu\text{g}/\text{m}^3$)
SO ₂	3-hour	105.4 $\mu\text{g}/\text{m}^3$	(1,300 $\mu\text{g}/\text{m}^3$)
	24-hour	28.4 $\mu\text{g}/\text{m}^3$	(365 $\mu\text{g}/\text{m}^3$)
NO _x	Annual	0.31 $\mu\text{g}/\text{m}^3$	(80 $\mu\text{g}/\text{m}^3$)
	Annual	0.16 $\mu\text{g}/\text{m}^3$	(100 $\mu\text{g}/\text{m}^3$)
CO	1-hour	266.5 $\mu\text{g}/\text{m}^3$	(10,000 $\mu\text{g}/\text{m}^3$)
	8-hour	84.57 $\mu\text{g}/\text{m}^3$	(40,000 $\mu\text{g}/\text{m}^3$)
Acetaldehyde	Annual	0.000414 $\mu\text{g}/\text{m}^3$	45.50 $\mu\text{g}/\text{m}^3$
Acrolein	8-hour	0.00734 $\mu\text{g}/\text{m}^3$	5.40 $\mu\text{g}/\text{m}^3$
Ammonia	8-hour	0.57 $\mu\text{g}/\text{m}^3$	640.00 $\mu\text{g}/\text{m}^3$
Antimony	8-hour	0.000276 $\mu\text{g}/\text{m}^3$	11.90 $\mu\text{g}/\text{m}^3$
Arsenic	Annual	0.00024 $\mu\text{g}/\text{m}^3$	0.02 $\mu\text{g}/\text{m}^3$
Barium	8-hour	0.0000182 $\mu\text{g}/\text{m}^3$	11.90 $\mu\text{g}/\text{m}^3$
Benzene	Annual	0.000944 $\mu\text{g}/\text{m}^3$	12.00 $\mu\text{g}/\text{m}^3$
Beryllium	Annual	0.0000107 $\mu\text{g}/\text{m}^3$	0.04 $\mu\text{g}/\text{m}^3$
Biphenyl	8-hour	0.0000431 $\mu\text{g}/\text{m}^3$	23.80 $\mu\text{g}/\text{m}^3$
Cadmium	Annual	0.0000165 $\mu\text{g}/\text{m}^3$	0.06 $\mu\text{g}/\text{m}^3$
Carbon Disulfide	8-hour	0.00329 $\mu\text{g}/\text{m}^3$	71.40 $\mu\text{g}/\text{m}^3$

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Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
Chlorobenzene	8-hour	0.000557 $\mu\text{g}/\text{m}^3$	1,100.00 $\mu\text{g}/\text{m}^3$
Chloroethane	8-hour	0.015 $\mu\text{g}/\text{m}^3$	62,900.00 $\mu\text{g}/\text{m}^3$
Chloroform	Annual	0.0000429 $\mu\text{g}/\text{m}^3$	4.30 $\mu\text{g}/\text{m}^3$
Chromium VI	Annual	0.0000978 $\mu\text{g}/\text{m}^3$	0.01 $\mu\text{g}/\text{m}^3$
Copper	8-hour	0.0000312 $\mu\text{g}/\text{m}^3$	23.80 $\mu\text{g}/\text{m}^3$
Cumene	8-hour	0.000134 $\mu\text{g}/\text{m}^3$	5,860.00 $\mu\text{g}/\text{m}^3$
Cyanide	8-hour	0.063 $\mu\text{g}/\text{m}^3$	260.00 $\mu\text{g}/\text{m}^3$
1,2-Dibromoethane	Annual	0.0000009 $\mu\text{g}/\text{m}^3$	0.45 $\mu\text{g}/\text{m}^3$
1,2-Dichloroethane	Annual	0.0000291 $\mu\text{g}/\text{m}^3$	3.85 $\mu\text{g}/\text{m}^3$
Dichloromethane	Annual	0.000211 $\mu\text{g}/\text{m}^3$	212.77 $\mu\text{g}/\text{m}^3$
2,4-Dinitrotoumene	8-hour	0.0000071 $\mu\text{g}/\text{m}^3$	4.76 $\mu\text{g}/\text{m}^3$
Ethyl Benzene	8-hour	0.00238 $\mu\text{g}/\text{m}^3$	10,300.00 $\mu\text{g}/\text{m}^3$
Formaldehyde	Annual	0.000258 $\mu\text{g}/\text{m}^3$	7.69 $\mu\text{g}/\text{m}^3$
Hydrogen Chloride	8-hour	0.0000055 $\mu\text{g}/\text{m}^3$	180.00 $\mu\text{g}/\text{m}^3$
Hydrogen Fluoride	8-hour	0.0000351 $\mu\text{g}/\text{m}^3$	61.90 $\mu\text{g}/\text{m}^3$
Manganese	8-hour	0.000174 $\mu\text{g}/\text{m}^3$	4.76 $\mu\text{g}/\text{m}^3$
Mercury	8-hour	0.00175 $\mu\text{g}/\text{m}^3$	1.19 $\mu\text{g}/\text{m}^3$
Methyl Ethyl Ketone	8-hour	0.00988 $\mu\text{g}/\text{m}^3$	14,000.00 $\mu\text{g}/\text{m}^3$
n-Hexane	8-hour	0.0017 $\mu\text{g}/\text{m}^3$	4190.00 $\mu\text{g}/\text{m}^3$
Nickel	Annual	0.00066 $\mu\text{g}/\text{m}^3$	0.21 $\mu\text{g}/\text{m}^3$
Phenol	8-hour	0.000405 $\mu\text{g}/\text{m}^3$	452.00 $\mu\text{g}/\text{m}^3$
Polynuclear Aromatic Hydrocarbons (PAHs)	Annual	0.0000351 $\mu\text{g}/\text{m}^3$	0.06 $\mu\text{g}/\text{m}^3$
Propionaldehyde	8-hour	0.00962 $\mu\text{g}/\text{m}^3$	4,290.00 $\mu\text{g}/\text{m}^3$
Selenium	8-hour	0.0000145 $\mu\text{g}/\text{m}^3$	4.76 $\mu\text{g}/\text{m}^3$
Styrene	8-hour	0.000633 $\mu\text{g}/\text{m}^3$	5,070.00 $\mu\text{g}/\text{m}^3$
Sulfuric Acid	8-hour	1.71 $\mu\text{g}/\text{m}^3$	23.80 $\mu\text{g}/\text{m}^3$
1,1,2,2-Tetrachloroethane	Annual	0.0000312 $\mu\text{g}/\text{m}^3$	1.70 $\mu\text{g}/\text{m}^3$
Toluene	8-hour	0.00608 $\mu\text{g}/\text{m}^3$	8,900.00 $\mu\text{g}/\text{m}^3$
1,1,1-Trichloroethane	8-hour	0.000506 $\mu\text{g}/\text{m}^3$	45,200.00 $\mu\text{g}/\text{m}^3$
Vinyl Acetate	8-hour	0.000211 $\mu\text{g}/\text{m}^3$	830.00 $\mu\text{g}/\text{m}^3$
Xylene	8-hour	0.0000254 $\mu\text{g}/\text{m}^3$	10,300.00 $\mu\text{g}/\text{m}^3$
Zinc	8-hour	0.0000269 $\mu\text{g}/\text{m}^3$	119.00 $\mu\text{g}/\text{m}^3$

VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _x	CO	VOC
-	-	-	-	-	-	-

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IX. Insignificant Activities

ID No.:	Description	Citation
INS-1	Maintenance Paint	250 gallons/yr LAC 33:III.501.B.5.B.2
INS-2	Three Safety Kleen/Degreaser Units	420 gallons/yr LAC 33:III.501.B.5.A.10
INS-7	Slop Oil Tank	350 gallons LAC 33:III.501.B.5.A.3
INS-8A	Kerosene Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-8B	Kerosene Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-8C	Kerosene Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-9	Solvent Tank	250 gallons LAC 33:III.501.B.5.A.2
INS-10	Lube Oil Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-11	Lube Oil Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-12	Lube Oil Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-13	Lube Oil Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-14	Lube Oil Tank	500 gallons LAC 33:III.501.B.5.A.3
INS-15	Lube Oil Tank	500 gallons LAC 33:III.501.B.5.A.3
INS-16	Lube Oil Tank	300 gallons LAC 33:III.501.B.5.A.3
INS-17	Lube Oil Tank	300 gallons LAC 33:III.501.B.5.A.3
INS-18	Lube Oil Tank	250 gallons LAC 33:III.501.B.5.A.3
INS-19	Diesel Fuel Tank	1,000 gallons LAC 33:III.501.B.5.A.3
INS-20	Diesel Fuel Tank	750 gallons LAC 33:III.501.B.5.A.3
INS-21	Diesel Fuel Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-22	Diesel Fuel Tank	550 gallons LAC 33:III.501.B.5.A.3
INS-23	Diesel Fuel Tank	200 gallons LAC 33:III.501.B.5.A.2
INS-24	BFP Turbine Oil Tank	600 gallons LAC 33:III.501.B.5.A.3
INS-25	BFP Turbine Oil Tank	600 gallons LAC 33:III.501.B.5.A.3
INS-26	BFP Turbine Oil Tank	600 gallons LAC 33:III.501.B.5.A.3
INS-27	BFP Turbine Oil Tank	125 gallons LAC 33:III.501.B.5.A.2
INS-28	BFP Turbine Oil Tank	125 gallons LAC 33:III.501.B.5.A.2
INS-29	BFP Turbine Oil Tank	125 gallons LAC 33:III.501.B.5.A.2
INS-30	Caustic Tank	16,900 gallons LAC 33:III.501.B.5.B.8

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana**

ID No.:	Description		Citation
INS-31	Caustic Tank	16,200 gallons	LAC 33:III.501.B.5.B.8
INS-32	Caustic Tank	6,000 gallons	LAC 33:III.501.B.5.B.8
INS-33	Caustic Tank	800 gallons	LAC 33:III.501.B.5.B.8
INS-34	Caustic Tank	800 gallons	LAC 33:III.501.B.5.B.8
INS-35	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.5.B.8
INS-36	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.5.B.8
INS-37	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.5.B.8
INS-38	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.5.B.8
INS-39	Sulfuric Acid Tank	2,115 gallons	LAC 33:III.501.B.5.B.8
INS-40	Sulfuric Acid Tank	800 gallons	LAC 33:III.501.B.5.B.8
INS-41	Sulfuric Acid Tank	800 gallons	LAC 33:III.501.B.5.B.8
INS-42	Aluminate Tank	6,400 gallons	LAC 33:III.501.B.5.B.8
INS-43	Aluminate Tank	750 gallons	LAC 33:III.501.B.5.B.8
INS-44	Cationic Polymer Tank	6,000 gallons	LAC 33:III.501.B.5.B.8
TNK-45	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-46	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-47	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-48	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-49	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-50	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-51	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-52	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-53	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-54	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-55	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-56	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-57	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-58	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-59	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

ID No.:	Description		Citation
TNK-60	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-61	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-62	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
INS-69	Bottom Ash Pond	--	LAC 33:III.501.B.5.D.a-d
INS-70	Coal Lab Baghouse	--	LAC 33:III.501.B.5.D.a-d
TNK-71	Ammonia Bulk Tank	9,900 gallons	LAC 33:III.501.B.5.B.8
INS-100	Three Safety Kleen/Degreaser Units	420 gallons/yr	LAC 33:III.501.B.5.A.3
INS-101	Kerosene Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-102	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-103	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-105	Two Aluminate Tanks	6,400 / 750 gallons	LAC 33:III.501.B.5.A.4
INS-106	Cationic Polymer Tank	6,000 gallons	LAC 33:III.501.B.5.A.4
TNK-107	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-108	Caustic, Sulfuric Acid, or Ammonia Tank	200 gallons	LAC 33:III.501.B.5.B.8
TNK-109	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
TNK-110	Ammonia Phosphate or Hydrazine Tank	100 gallons	LAC 33:III.501.B.5.B.8
INS-111	Fly Ash Barge Loading Fabric Filter Bags	--	LAC 33:III.501.B.5.D.a-d
-	Demineralized Water Tank (6)	150,000 gallons	LAC 33:III.501.B.5.C.1-5
-	Filtered Water Tank (1)	100,000 gallons	LAC 33:III.501.B.5.C.1-5

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant

Agency Interest No.: 38867

Louisiana Generating, LLC

New Roads, Pointe Coupee Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter											NSPS 40 CFR 60							NESHAP 40 CFR 61			NESHAP 40 CFR 63																	
		2	5	9	11	13	15	21	22	29*	51*	56	59*	A	D	Da	K	Ka	Kb	Y	OOO	HHHH	A	M	A	Q	52	64	68	72	73	75	76	77	82					
EQT032	CT2 - Cooling Tower 2																																							
EQT033	EBR3 - Unit 3 East Bunker Room	1		1					1				1						1																					
EQT034	PC1 - Barge Unloading	1		1					1				1						1																					
EQT035	S 3,4 - Lime Silo Operation	1		1									1																											
EQT036	T1 - Transfer Tower T1	1		1					1				1																											
EQT037	T1A - Barge Unloading Transfer	1		1					1				1																											
EQT038	T2 - Transfer Tower T2	1		1					1				1																											
EQT039	T3 - Transfer Tower T3	1		1					1				1																											
EQT040	T4 - Transfer Tower T4/ Crusher	1		1					1				1																											
EQT041	T8 - Transfer Tower T8	1		1					1				1																											
EQT042	TNK1 - Fuel Oil Tank																																							
EQT043	TNK12 - Gasoline Tank																																							
EQT044	TNK2 - Fuel Oil Tank																																							
EQT045	TNK3 - Fuel Oil Tank																																							
EQT046	TNK6 - Turbine Lube Oil Tank																																							

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant

Agency Interest No.: 38867

Louisiana Generating, LLC

New Roads, Pointe Coupee Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.: Description	LAC 33:III. Chapter													NSPS 40 CFR 60							NESHAP 40 CFR 61		NESHAP 40 CFR 63		40 CFR														
	2	5	9	11	13	15	21	22	29*	31*	36	39*	A	D	Da	K	Ka	Kb	Y	000	HHHH	A	M	A	Q	52	64	68	72	73	75	76	77	82					
EQT063 02-06 - Luffing/Slewing Stacker Feed	1		1						1			1						1								1	3												
EQT064 03-06 - Luffing/Slewing Stacker	1		1						1			1						1										3											
EQT065 04-06 - Portal Reclaimer	1		1						1			1						1									1	3											
EQT066 05-06 - Limestone Rail Car Unloading	1		1									1						1									1	3											
EQT067 06-06 - Emergency Limestone Truck Unloading	1			1								1						1									1	3											
EQT068 07-06 - Emergency Limestone Reclaim	1			1								1						1									1	3											
EQT069 08-06 - Limestone Transfer Tower	1			1								1						1									1	3											
EQT070 09-06 - Limestone Stackout	1			1								1						1									1	3											
EQT071 10-06 - Limestone Reclaim	1			1								1						1									1	3											
EQT072 11-06 - Limestone Day Silos	1			1								1						1									1	3											
EQT073 12-06 - Gypsum Dewatering Building	1			1								1						1									1	3											
EQT074 13-06 - Gypsum Transfer Tower	1			1								1						1									1	3											

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant

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Louisiana Generating, LLC

New Roads, Pointe Coupee Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III. Chapter											NSPS 40 CFR 60					NESHAP 40 CFR 61			NESHAP 40 CFR 63			40 CFR																		
		2	5	9	11	13	15	21	22	29*	31*	56	59*	A	D	Da	K	Ka	Kb	Y	OOO	HHH	A	M	A	Q	52	64	68	72	73	75	76	77	82							
FUG002	FUG 2 – Coal Piles	1		1					1										1									1	3													
FUG003	FUG 1 – Coal Handling Conveyors (16 sources)	1		1					1										1										1	3												
FUG004	FUG 3 – Fly Ash Pond	1		1					1																				1	3												
FUG005	FUG 5 – Road Emissions	1		1					1																				1	3												
FUG006	S 1,2 – Fly Ash Handling Emissions	1		1					1																					3												
FUG008	FUG 10 – Gypsum Pile & Loading Fugitive Emissions	1		1																1																						
FUG009	FUG 11 – Gypsum Conveyors	1		1																	1								1	3												
FUG010	FUG 6 – New Coal Conveyors	1		1																		1																				
FUG011	FUG 7 – Limestone Conveyors	1		1																	1																					
FUG012	FUG 8 – Limestone Pile Fugitive Emissions	1		1																		1																				
FUG013	FUG 9 – Limestone Emergency Unloading Fugitive Emissions	1		1																																						

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank -- The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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New Roads, Pointe Coupee Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT008	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT010	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT011	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT021	Emission Monitoring Requirements [LAC 33:III.915.D] Control of Emissions of Nitrogen Oxides (NO _x) [LAC 33:III.2201.C.15] Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.2] Emission Standards for Particulate Matter [LAC 33:III.1311.F]	EXEMPT. The boiler is exempt because it is subject to a New Source Performance Standard (NSPS). EXEMPT. The boiler is required to meet more stringent BACT NO _x emission limits. EXEMPT. Electric utility steam-generating units are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A.
EQT022, EQT031, EQT032	NESHAP – Subpart Q – National Emission Standards for Hazardous Air Pollutants for Industrial Cooling Towers [40 CFR 63.400(a)]	DOES NOT APPLY. Emissions from cooling towers are due to uncombined water and the limits of LAC 33:III Chapter 13 are not applicable.
EQT023	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. The Big Cajun Unit II Power Plant does not use chromium based water treatment chemicals in the cooling water or cooling towers.
	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Pre-controlled emissions from the cooling towers are less than 100 TPY per pollutant.
	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT027, EQT028, EQT029	Emission Monitoring Requirements [LAC 33:III.915.D] Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.2] Compliance Assurance Monitoring [40 CFR 64.2(b)(1)(iii)]	EXEMPT. The boilers are exempt because they are subject to a New Source Performance Standard (NSPS). EXEMPT. Electric utility steam-generating units are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A. EXEMPT. Boilers are subject to the more stringent Acid Rain requirements of 40 CFR 75 for NO _x emissions.
EQT030, EQT033, EQT034, EQT035, EQT049, EQT058	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT036, EQT037, EQT038, EQT039, EQT040, EQT041, EQT060	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT042, EQT044	Storage of Volatile Organic Compounds [LAC 33:III.2103.A] NSPS - Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 [40 CFR 60.111(b)]	DOES NOT APPLY. Tanks do not store a volatile organic compound with a vapor pressure of 1.5 psia or greater. DOES NOT APPLY. Fuel oil No. 2 does not meet the definition of petroleum liquids.
EQT043	NSPS - Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110b(a)]	DOES NOT APPLY. The capacity of the tank is less than 40 m ³ (10,500 gallons).
EQT045, EQT046, EQT047, EQT048	Storage of Volatile Organic Compounds [LAC 33:III.2103.A] NSPS - Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 [40 CFR 60.110(a)]	DOES NOT APPLY. Tanks do not store a volatile organic compound with a vapor pressure of 1.5 psia or greater. DOES NOT APPLY. Each storage vessel has a capacity less than 40,000 gallons.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
EQT050, EQT051, EQT052, EQT053, EQT061	Emission Monitoring Requirements [LAC 33:III.915.A]	DOES NOT APPLY. Engines (pumps) are not source categories per Appendix P of 40 CFR Part 51.
EQT082, EQT083, EQT084, EQT085	Control of Emissions of Nitrogen Oxides (NOX) [LAC 33:III.2201.C.14] Storage of Volatile Organic Compounds [LAC 33:III.2103.A] Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109.A]	EXEMPT. Diesel-fired stationary internal combustion engines are exempt from the requirements of LAC 33:III.2201. DOES NOT APPLY. Tanks do not store volatile organic liquids. DOES NOT APPLY. Ammonia is a Class III TAP and does not require MACT Analysis.
EQT062, EQT063, EQT064, EQT065	NSPS – Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.111b(k)]	DOES NOT APPLY. Tank contents do not meet the definition of volatile organic liquid (VOL).
EQT066, EQT067, EQT068, EQT069, EQT070, EQT071, EQT072, EQT073, EQT074, EQT075, EQT076, EQT077, FUG008, FUG009, FUG011, FUG012, FUG013	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT078, EQT079, EQT080, EQT081	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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 Agency Interest No.: 38867
 Louisiana Generating, LLC
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
FUG002, FUG003, FUG004, FUG005, FUG006, FUG010	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated

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properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly

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deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air

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conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 28, 2006, along with supplemental information dated June 28, July 13, July 21, August 28, September 12, September 22, September 28, October 2, October 6, October 23, November 8, and November 29, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

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GENERAL CONDITIONS**

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 38867 Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

ID	Name	User Group	Start Date
2260-00012	Louisiana Generating LLC - Big Cajun II Power Plant	CDS Number	07-29-1999
2260-0005	Louisiana Generating LLC - Big Cajun II Power Plant	Emission Inventory	03-03-2004
LAD000803064	Big Cajun II Power Plant	Hazardous Waste Notification	03-17-2000
LA0054135	WPC File Number	LPDES Permit #	05-22-2003
LAG530105	WPC File Number	LPDES Permit #	05-22-2003
WP0747	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-3599-L01	Priority 2 Emergency Site	Priority 2 Emergency Site	07-25-2006
3599	Radioactive Material License	Radiation License Number	07-19-2000
9136	X-Ray Registration Number	Radiation X-ray Registration Number	11-15-2005
GD-077-0583	Cajun Electric Power Coop Inc	Solid Waste	01-08-2002
16948	Cajun Electric Power Corp Inc	Solid Waste Facility No.	01-08-2002
3827	Cajun Electric Power Coop Inc - Big Cajun II	TEMPO Merge	03-12-2001
70760BGCJN9951C	Big Cajun II	TEMPO Merge	03-12-2001
1481	TRI #	Toxic Release Inventory	07-09-2004
39001741	UST Case History Case Number	Underground Storage Tanks	11-21-1999
584	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
	Louisiana Generating LLC	Water Permitting	11-21-1999

Main Phone: 2256184000

Physical Location:
 9951 Cajun 2 Rd (Hwy 981)
 2 Mi E Hwy 415 jct
 New Roads, LA 70760

Mailing Address:
 112 Telly St
 New Roads, LA 70760

Location of Front Gate: 30° 43' 36" 31 hundredths latitude, 91° 22' 1" 20 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Differential, Coordinate Datum: NAD83

Name	Mailing Address	Phone (Type)	Relationship
John Brewster	PO Box 39 Ventress, LA 707600039	2256184475 (WP)	Responsible Official for
Gary C. Ellender	PO Box 39 Ventress, LA 707600039	2256384158 (WF)	Air Permit Contact For
Gary C. Ellender	PO Box 39 Ventress, LA 707600039	2256384158 (WF)	Water Billing Party for
Gary C. Ellender	PO Box 39 Ventress, LA 707600039	2256383773 (ext 56;	Air Permit Contact For
Gary C. Ellender	PO Box 39 Ventress, LA 707600039	2256384158 (WF)	Accident Prevention Billing Party for
Gary C. Ellender	PO Box 39 Ventress, LA 707600039	2256383773 (ext 56;	Accident Prevention Billing Party for
Gary C. Ellender	PO Box 39 Ventress, LA 707600039	2256383773 (ext 56;	Water Billing Party for
Chad Helm	PO Box 39 Ventress, LA 707830039	2256383773 (WP)	Radiation Safety Officer for
Chad Helm	PO Box 39 Ventress, LA 707830039	2256383773 (WP)	Radiation Contact For

General Information

AJ ID: 38867 Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

Name	Mailing Address	Phone (Type)	Relationship
Chad Helm	PO Box 39 Ventress, LA 707830039	Chad.Helm@BigCaj	Radiation Contact For
Chad Helm	PO Box 39 Ventress, LA 707830039	2255715225 (CP)	Radiation Contact For
Chad Helm	PO Box 39 Ventress, LA 707830039	2256384158 (WF)	Radiation Contact For
Chad Helm	PO Box 39 Ventress, LA 707830039	2256384158 (WF)	Radiation Safety Officer for
Chad Helm	PO Box 39 Ventress, LA 707830039	Chad.Helm@BigCaj	Radiation Safety Officer for
Chad Helm	PO Box 39 Ventress, LA 707830039	2255715225 (CP)	Radiation Safety Officer for
Robert Hendrix	PO Box 39 Ventress, LA 707600039	2256384158 (WF)	Accident Prevention Contact for
Robert Hendrix	PO Box 39 Ventress, LA 707600039	2256383773 (ext 57)	Accident Prevention Contact for

Name	Address	Phone (Type)	Relationship
Louisiana Generating LLC	PO Box 39 Ventress, LA 707830039		Radiation License Billing Party for
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		Owns
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		Air Billing Party for
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		UST Billing Party for
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		Operates
Louisiana Generating LLC	PO Box 39 Ventress, LA 707830039		Radiation Registration Billing Party for

SIC Codes: 4911, Electric services

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT008	02-01 - Transfer Tower T-20		5000 tons/hr			8760 hr/yr (All Year)
EQT010	04-01 - Transfer Tower T-22 / Crusher		3.6 MM tons/yr			4950 hr/yr (All Year)
EQT011	05-01 - Emergency Unloading		375000 tons/yr	2500 tons/hr		150 hr/yr (All Year)
EQT021	15-01 - Boiler No. 4(2B4)		6566 MM BTU/hr			8760 hr/yr (All Year)
EQT022	16-01 - Cooling Tower 3		23.84 MM gallons/hr			8760 hr/yr (All Year)
EQT023	17-01 - Unit 4 Ash Silo		350400 tons/yr			8760 hr/yr (All Year)
EQT027	2B1 - Boiler No. 1		6420 MM BTU/hr			8760 hr/yr (All Year)
EQT028	2B2 - Boiler No. 2		6420 MM BTU/hr			8760 hr/yr (All Year)
EQT029	2B3 - Boiler No. 3		6420 MM BTU/hr			8760 hr/yr (All Year)
EQT030	BR1,2 - Unit 1 & Unit 2 Bunker Room		2700 tons/hr			8760 hr/yr (All Year)
EQT031	CT1 - Cooling Tower 1		21.15 MM gallons/hr			8760 hr/yr (All Year)
EQT032	CT2 - Cooling Tower 2		21.15 MM gallons/hr			8760 hr/yr (All Year)
EQT033	EBR3 - Unit 3 East Bunker Room		1350 tons/yr			8760 hr/yr (All Year)
EQT034	PC1 - Barge Unloading		5000 tons/hr			8760 hr/yr (All Year)
EQT035	S 3,4 - Lime Silo Operation		320 tons/hr			8760 hr/yr (All Year)
EQT036	T1 - Transfer Tower T1		5000 tons/yr			8760 hr/yr (All Year)
EQT037	T1A - Barge Unloading Transfer		5000 tons/hr			8760 hr/yr (All Year)
EQT038	T2 - Transfer Tower T2		5000 tons/hr			8760 hr/yr (All Year)
EQT039	T3 - Transfer Tower T3		5000 tons/hr			8760 hr/yr (All Year)
EQT040	T4 - Transfer Tower T4/Crusher		5000 tons/hr			8760 hr/yr (All Year)
EQT041	T8 - Transfer Tower T8		5000 tons/hr			8760 hr/yr (All Year)
EQT042	TNK1 - Fuel Oil Tank	280000 gallons				8760 hr/yr (All Year)
EQT043	TNK12 - Gasoline Tank	1500 gallons				8760 hr/yr (All Year)
EQT044	TNK2 - Fuel Oil Tank	280000 gallons				8760 hr/yr (All Year)
EQT045	TNK3 - Fuel Oil Tank	39000 gallons				8760 hr/yr (All Year)
EQT046	TNK6 - Turbine Lube Oil Tank	12500 gallons				8760 hr/yr (All Year)
EQT047	TNK7 - Turbine Lube Oil Tank	12500 gallons				8760 hr/yr (All Year)
EQT048	TNK8 - Turbine Lube Oil Tank	12500 gallons				8760 hr/yr (All Year)
EQT049	WBR3 - Unit 3 West Bunker Room		1350 tons/hr			8760 hr/yr (All Year)
EQT050	EG-1 - Emergency Generator #1		1200 horsepower			552 hr/yr (All Year)
EQT051	EG-2 - Emergency Generator #2		1200 horsepower			552 hr/yr (All Year)
EQT052	EF-1 - Emergency Firewater Pump #1		300 horsepower			552 hr/yr (All Year)
EQT053	EF-2 - Emergency Firewater Pump #2		300 horsepower			552 hr/yr (All Year)
EQT058	01-01 - Coal Railcar Unloading Building		5000 tons/hr	1500 tons/hr		8760 hr/yr (All Year)
EQT060	06-01 - Transfer Tower T-23		3.6 MM tons/yr			2400 hr/yr (All Year)
EQT061	EG-3 - Emergency Generator #3		380 horsepower			552 hr/yr (All Year)
EQT062	01-06 - Stammer Reclaim System		2.4 MM tons/yr			1000 hr/yr (All Year)

INVENTORIES

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 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT063	02-06 - Luffing/Slewing Stackler Feed		5000 tons/hr	2500 tons/hr		8760 hr/yr (All Year)
EQT064	03-06 - Luffing/Slewing Stackler		3.6 MM tons/yr	2500 tons/hr		1540 hr/yr (All Year)
EQT065	04-06 - Portal Reclaimer		2400 tons/hr			8760 hr/yr (All Year)
EQT066	05-06 - Limestone Rail Car Unloading		500000 tons/yr	750 tons/hr		670 hr/yr (All Year)
EQT067	06-06 - Emergency Limestone Truck Unloading		60000 tons/yr			300 hr/yr (All Year)
EQT068	07-06 - Emergency Limestone Reclaim		54000 tons/yr			300 hr/yr (All Year)
EQT069	08-06 - Limestone Transfer Tower		5000 tons/hr	750 tons/hr		8760 hr/yr (All Year)
EQT070	09-06 - Limestone Stackout		5000 tons/hr	750 tons/hr		8760 hr/yr (All Year)
EQT071	10-06 - Limestone Reclaim		400 tons/hr			8760 hr/yr (All Year)
EQT072	11-06 - Limestone Day Silos		400 tons/hr			8760 hr/yr (All Year)
EQT073	12-06 - Gypsum Dewatering Building		270 tons/hr			8760 hr/yr (All Year)
EQT074	13-06 - Gypsum Transfer Tower		270 tons/hr			8760 hr/yr (All Year)
EQT075	14-06 - Gypsum Radial Stackler Feed		270 tons/hr			8760 hr/yr (All Year)
EQT076	15-06 - Gypsum Transfer to Storage Piles		270 tons/hr			8760 hr/yr (All Year)
EQT077	16-06 - Gypsum Truck Loading		480000 tons/yr			3000 hr/yr (All Year)
EQT078	17-06 - Activated Carbon Silo Bin Vent		24 tons/hr			8760 hr/yr (All Year)
EQT079	18-06 - Sorbent Silo Bin Vent		24 tons/hr			8760 hr/yr (All Year)
EQT080	19-06 - Unit 4 Ash Truck Loading		43.5 tons/hr			8760 hr/yr (All Year)
EQT081	20-06 - Unit 4 Bottom Ash Loading Emissions		13.5 tons/hr			8760 hr/yr (All Year)
EQT082	TNK-72 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr (All Year)
EQT083	TNK-73 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr (All Year)
EQT084	TNK-74 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr (All Year)
EQT085	TNK-75 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr (All Year)
FUG002	FUG 2 - Coal Piles					8760 hr/yr (All Year)
FUG003	FUG 1 - Coal Handling Conveyors (16 sources)					8760 hr/yr (All Year)
FUG004	FUG 3 - Fly Ash Pond				covers 155 acres	8760 hr/yr (All Year)
FUG005	FUG 5 - Road Emissions					8760 hr/yr (All Year)
FUG006	S 1.2 - Fly Ash Handling Emissions		437653 tons/yr			8760 hr/yr (All Year)
FUG008	FUG 10 - Gypsum Pile & Loading Fugitive Emissions		2.37 MM tons/yr			8760 hr/yr (All Year)
FUG009	FUG 11 - Gypsum Conveyors		500000 tons/yr			8760 hr/yr (All Year)
FUG010	FUG 6 - New Coal Conveyors					1516 hr/yr (All Year)
FUG011	FUG 7 - Limestone Conveyors		500000 tons/yr			8760 hr/yr (All Year)
FUG012	FUG 8 - Limestone Pile Fugitive Emissions		325000 tons/yr			8760 hr/yr (All Year)
FUG013	FUG 9 - Limestone Emergency Unloading Fugitive Emissions		60000 tons/yr			8760 hr/yr (All Year)

INVENTORIES

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Plant Wide	A138867
GRP005	Plant Wide	EQ178 02-01 - Transfer Tower T-20
GRP005	Plant Wide	EQ110 04-01 - Transfer Tower T-22 / Crusher
GRP005	Plant Wide	EQ111 05-01 - Emergency Unloading
GRP005	Plant Wide	EQ121 15-01 - Boiler No. 4(2B4)
GRP005	Plant Wide	EQ122 16-01 - Cooling Tower 3
GRP005	Plant Wide	EQ123 17-01 - Unit 4 Ash Silo
GRP005	Plant Wide	EQ127 2B1 - Boiler No. 1
GRP005	Plant Wide	EQ128 2B2 - Boiler No. 2
GRP005	Plant Wide	EQ129 2B3 - Boiler No. 3
GRP005	Plant Wide	EQ130 BR1,2 - Unit 1 & Unit 2 Bunker Room
GRP005	Plant Wide	EQ131 CT1 - Cooling Tower 1
GRP005	Plant Wide	EQ132 CT2 - Cooling Tower 2
GRP005	Plant Wide	EQ133 EBR3 - Unit 3 East Bunker Room
GRP005	Plant Wide	EQ134 PC1 - Barge Unloading
GRP005	Plant Wide	EQ135 S 3.4 - Lime Silo Operation
GRP005	Plant Wide	EQ136 T1 - Transfer Tower T1
GRP005	Plant Wide	EQ137 T1A - Barge Unloading Transfer
GRP005	Plant Wide	EQ138 T2 - Transfer Tower T2
GRP005	Plant Wide	EQ139 T3 - Transfer Tower T3
GRP005	Plant Wide	EQ140 T4 - Transfer Tower T4/Crusher
GRP005	Plant Wide	EQ141 T8 - Transfer Tower T8
GRP005	Plant Wide	EQ142 TNK1 - Fuel Oil Tank
GRP005	Plant Wide	EQ143 TNK12 - Gasoline Tank
GRP005	Plant Wide	EQ144 TNK2 - Fuel Oil Tank
GRP005	Plant Wide	EQ145 TNK3 - Fuel Oil Tank
GRP005	Plant Wide	EQ146 TNK6 - Turbine Lube Oil Tank
GRP005	Plant Wide	EQ147 TNK7 - Turbine Lube Oil Tank
GRP005	Plant Wide	EQ148 TNK8 - Turbine Lube Oil Tank
GRP005	Plant Wide	EQ149 WBR3 - Unit 3 West Bunker Room
GRP005	Plant Wide	EQ150 EG-1 - Emergency Generator #1
GRP005	Plant Wide	EQ151 EG-2 - Emergency Generator #2
GRP005	Plant Wide	EQ152 EF-1 - Emergency Firewater Pump #1
GRP005	Plant Wide	EQ153 EF-2 - Emergency Firewater Pump #2
GRP005	Plant Wide	EQ158 01-01 - Coal Railcar Unloading Building
GRP005	Plant Wide	EQ160 06-01 - Transfer Tower T-23
GRP005	Plant Wide	EQ161 EG-3 - Emergency Generator #3

INVENTORIES

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Plant Wide	FUG2 FUG 2 - Coal Piles
GRP005	Plant Wide	FUG3 FUG 1 - Coal Handling Conveyors (16 sources)
GRP005	Plant Wide	FUG4 FUG 3 - Fly Ash Pond
GRP005	Plant Wide	FUG5 FUG 5 - Road Emissions
GRP005	Plant Wide	FUG6 S 1,2 - Fly Ash Handling Emissions
GRP006	Acid Rain Affected Sources	EQT21 15-01 - Boiler No. 4(2B4)
GRP006	Acid Rain Affected Sources	EQT27 2B1 - Boiler No. 1
GRP006	Acid Rain Affected Sources	EQT28 2B2 - Boiler No. 2
GRP006	Acid Rain Affected Sources	EQT29 2B3 - Boiler No. 3
GRP006	Acid Rain Affected Sources	EQT27 2B1 - Boiler No. 1
GRP007	2B1, 2B2, & 2B3 - Boiler NOX Emission Cap	EQT28 2B2 - Boiler No. 2
GRP007	2B1, 2B2, & 2B3 - Boiler NOX Emission Cap	EQT29 2B3 - Boiler No. 3
GRP007	2B1, 2B2, & 2B3 - Boiler NOX Emission Cap	EQT21 15-01 - Boiler No. 4(2B4)
GRP008	Scenario 1: 15-01 Cold SU - Boiler No. 4 Cold Start/Shutdown	EQT21 15-01 - Boiler No. 4(2B4)
GRP009	Scenario 2: 15-01 Hot SU - Boiler No. 4 Hot Start/Shutdown	EQT21 15-01 - Boiler No. 4(2B4)
GRP010	Scenario 3: 15-01 NOP - Boiler No. 4 Normal Operations	EQT21 15-01 - Boiler No. 4(2B4)

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT008	44.8	3	3	90	90	
EQT010	51.97	3.5	3.5	135	135	
EQT011				17.4	17.4	
EQT021	55	28.83	28.83	600	600	130
EQT022	27	33	33	30	30	50
EQT023	37.73	1.5	1.5	136.1	136.1	
EQT027	60	26.5	26.5	600	600	305
EQT028	60	26.5	26.5	600	600	305
EQT029	60	26.5	26.5	600	600	305
EQT030		1.5	1.5	177	177	
EQT031		30	30	73.5	73.5	55
EQT032		30	30	73.5	73.5	55
EQT033	85.75	2.33	2.33	194	194	
EQT034		4	4	4	4	
EQT035		16.2	16.2	63.1	63.1	
EQT036		43.1	43.1	43.1	43.1	
EQT037		94.4	94.4	94.4	94.4	
EQT038		107.6	107.6	107.6	107.6	
EQT039						

INVENTORIES

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT040					137.3	
EQT041					103.4	
EQT049	85.75	22000	2.33		194	
EQT060	40.87		4.5		195	
EQT072	11		4		115	
EQT078	11		2		60	
EQT079	11		2		60	
FUG006					72.5	
GRP005	55		28.3		600	130
GRP008	55		28.83		600	130
GRP009	55		28.83		600	130
GRP010	55		28.83		600	130

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP005	705	MW	1400 - A) Electric Power Gen. (Over 0.7 percent S in Fuel) (Rated Capacity)
	1725	MW	1410 - B) Electric Power Gen. (0.7 percent S or Less in Fuel) (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01	< 0.01	< 0.01	< 0.01												
EQT 010 04-01	0.03	0.05	0.08												
EQT 011 05-01	0.05	1.24	< 0.01												
EQT 021 15-01			431.40	2875.90		2013.10						3882.50			97.80
EQT 022 16-01	4.78	7.16	20.90												
EQT 023 17-01	0.39	0.39	1.70												
EQT 027 2B1	642.00	642.00	2812.00	33743.50	7704.00	7704.00	7704.00	1476.60	1476.60	3791.00	12636.60	15370.00	23.50	23.50	102.90
EQT 028 2B2	642.00	642.00	2812.00	33743.50	7704.00	7704.00	7704.00	1476.60	1476.60	3647.90	12159.70	14900.30	23.50	23.50	102.90
EQT 029 2B3	586.30	586.30	2568.00	30815.90	7035.60	7035.60	7035.60	1348.20	1348.20	4097.50	13658.20	16662.80	23.50	23.50	102.90
EQT 030 BR1,2	< 0.01	< 0.01	< 0.01												
EQT 031 CT1	4.31	6.47	18.88												
EQT 032 CT2	4.31	6.47	18.88												
EQT 033 EBR3	< 0.01	< 0.01	< 0.01												
EQT 034 PC1	0.04	1.24	0.19												
EQT 035 S3,4	< 0.01	< 0.01	< 0.01												
EQT 036 T1	< 0.01	0.01	0.01												
EQT 037 T1A	0.01	0.19	0.03												
EQT 038 T2	< 0.01	0.01	0.01												

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 039 T3	< 0.01	0.01	0.01												
EQT 040 T4	0.50	0.50	2.19												
EQT 041 T8	< 0.01	0.01	0.01												
EQT 042 TNK1													0.03	0.04	0.13
EQT 043 TNK12													0.08	0.09	0.35
EQT 044 TNK2													0.02	0.03	0.09
EQT 045 TNK3													< 0.01	< 0.01	< 0.01
EQT 046 TNK6													< 0.01	< 0.01	< 0.01
EQT 047 TNK7													< 0.01	< 0.01	< 0.01
EQT 048 TNK8													< 0.01	< 0.01	< 0.01
EQT 049 WBR3	0.01	0.08	0.10												
EQT 050 EG-1	0.84	0.84	0.23	7.60	7.60	1.88	28.80	28.80	7.95	6.60	6.60	1.82	6.60	0.77	0.21
EQT 051 EG-2	0.84	0.84	0.23	7.60	7.60	1.88	28.80	28.80	7.95	6.60	6.60	1.82	6.60	0.77	0.21
EQT 052 EF-1	0.66	0.66	0.18	0.62	0.62	0.17	9.30	9.30	2.57	2.00	2.00	0.55	2.00	0.75	0.21
EQT 053 EF-2	0.66	0.66	0.18	0.62	0.62	0.17	9.30	9.30	2.57	2.00	2.00	0.55	2.00	0.75	0.21
EQT 058 01-01	0.05	0.08	0.09												
EQT 060 06-01	< 0.01	< 0.01	< 0.01												
EQT 061 EG-3	0.43	0.43	0.12	0.47	0.47	0.13	7.78	7.78	2.15	0.83	0.83	0.23	0.83	0.40	0.11

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 062 01-06	0.25	2.98	0.12												
EQT 063 02-06	0.51	6.20	2.23												
EQT 064 03-06	0.27	6.20	0.20												
EQT 065 04-06	0.49	5.95	2.14												
EQT 066 05-06	0.24	1.07	0.08												
EQT 067 06-06	< 0.01	< 0.01	< 0.01												
EQT 068 07-05	0.15	1.79	0.02												
EQT 069 08-06	0.12	0.12	0.50												
EQT 070 09-06	0.12	0.12	0.50												
EQT 071 10-06	0.02	0.02	0.08												
EQT 072 11-06	< 0.01	< 0.01	0.02												
EQT 073 12-06	0.27	0.27	1.17												
EQT 074 13-06	0.13	0.13	0.59												
EQT 075 14-06	0.13	0.13	0.59												
EQT 076 15-06	0.13	0.13	0.59												
EQT 077 16-06	0.16	0.16	0.24												
EQT 078 17-06	0.01	0.12	0.04												
EQT 079 18-06	0.01	0.12	0.04												

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 080 19-06	0.01	0.08	0.03												
EQT 081 20-06	0.01	0.01	0.06												
FUG 002 FUG 2	0.23	903.00	1.03												
FUG 003 FUG 1	0.20	17.21	0.88												
FUG 004 FUG 3	0.13	475.30	0.58												
FUG 005 FUG 5	4.18	4.58	18.28												
FUG 006 S 1.2	1.26	8.36	5.50												
FUG 008 FUG 10	0.21	40.80	0.90												
FUG 009 FUG 11	0.01	0.07	0.03												
FUG 010 FUG 6	0.17	20.98	0.74												
FUG 011 FUG 7	0.49	52.43	0.37												
FUG 012 FUG 8	0.21	56.30	0.93												
FUG 013 FUG 9	0.09	50.90	0.37												
GRP 007							1476.60		17715.30						
GRP 008 Scenario 1: 15-01 C		98.49			984.90			1447.80		1313.20				33.40	
GRP 009 Scenario 2: 15-01 H		83.00			829.80			1130.20		1106.40				28.20	
GRP 010 Scenario 3: 15-01 N	98.50	98.50	431.40	656.60	1516.70	2875.90	459.60	758.90	1908.26	886.40	1772.80	3882.50	22.30	22.30	97.80

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Permit Phase Totals:

PM10: 8726.27 tons/yr
 SO2: 101183.03 tons/yr
 NOx: 19751.59 tons/yr
 CO: 50820.57 tons/yr
 VOC: 408.03 tons/yr

Emission rates Notes:

EQT 021	PM10	Tons/Year	The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario, and its associated Average (lb/hr) and Maximum (lb/hr) rates, to operate under without exceeding the maximum PTE. Which Months: All Year
EQT 021	SO2	Tons/Year	The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario, and its associated Average (lb/hr) and Maximum (lb/hr) rates, to operate under without exceeding the maximum PTE. Which Months: All Year
EQT 021	NOx	Tons/Year	The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario, and its associated Average (lb/hr) and Maximum (lb/hr) rates, to operate under without exceeding the maximum PTE. Which Months: All Year
EQT 021	CO	Tons/Year	The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario, and its associated Average (lb/hr) and Maximum (lb/hr) rates, to operate under without exceeding the maximum PTE. Which Months: All Year
EQT 021	VOC	Tons/Year	The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations over 8,760 hours per year. The permittee can select which scenario, and its associated Average (lb/hr) and Maximum (lb/hr) rates, to operate under without exceeding the maximum PTE. Which Months: All Year
EQT 027	PM10	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
EQT 027	PM10	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
EQT 027	SO2	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
EQT 027	SO2	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
EQT 027	NOx	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOx CEMS. Which Months: All Year
EQT 027	CO	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
EQT 027	CO	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
EQT 028	PM10	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
EQT 028	PM10	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
EQT 028	SO2	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
EQT 028	SO2	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Phase	Parameter	Unit	Limit
EQT 028	NOx	Max lb/hr	input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
EQT 028	NOx	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year
EQT 028	CO	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
EQT 028	CO	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
EQT 029	PM10	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
EQT 029	PM10	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
EQT 029	SO2	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
EQT 029	SO2	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
EQT 029	NOx	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year
EQT 029	CO	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
EQT 029	CO	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
GRP 007	NOx	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year
GRP 010	PM10	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
GRP 010	PM10	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
GRP 010	PM10	Tons/Year	Emissions for this scenario represent normal, continuous operations EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
GRP 010	SO2	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
GRP 010	SO2	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
GRP 010	SO2	Tons/Year	Emissions for this scenario represent normal, continuous operations EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
GRP 010	NOx	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year
GRP 010	NOx	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year
GRP 010	NOx	Tons/Year	Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
GRP 010	CO	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
GRP 010	CO	Max lb/hr	30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
GRP 010	CO	Tons/Year	Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AJID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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Air - Title V Regular Permit Major Mod

All phases

GRP 010

VOC

Tons/Year

Emissions for this scenario represent normal, continuous operations EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,2-Dibromoethane			1,2-Dichloroethane			2,4-Dinitrotoluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01															
EQT 010 04-01															
EQT 011 05-01															
EQT 021 15-01			0.04			0.08			0.002			0.072			< 0.01
EQT 022 16-01															
EQT 023 17-01															
EQT 027 2B1															
EQT 028 2B2															
EQT 029 2B3															
EQT 030 BR1.2															
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3															
EQT 034 PC1															
EQT 036 T1															
EQT 037 T1A															
EQT 038 T2															
EQT 039 T3															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Acetaldehyde			Acetophenone			Acrolein			Ammonia			Antimony (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008															
02-01															
EQT 010															
04-01															
EQT 011															
05-01															
EQT 021			1.02			0.03						40.30			0.018
15-01															
EQT 022															
16-01															
EQT 023															
17-01															
EQT 027															
2B1															
EQT 028															
2B2															
EQT 029															
2B3															
EQT 030															
BR1.2															
EQT 031															
CT1															
EQT 032															
CT2															
EQT 033															
EBR3															
EQT 034															
PC1															
EQT 036															
T1															
EQT 037															
T1A															
EQT 038															
T2															
EQT 039															
T3															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Arsenic (and compounds)			Barium (and compounds)			Benzene			Benzyl chloride			Beryllium (Table 51.1)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 010 04-01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 011 05-01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 021 15-01			0.590			3.010			2.34			1.26			0.026
EQT 022 16-01															
EQT 023 17-01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 027 2B1	0.017	0.084	0.074	2.35	11.74	10.29	0.51	0.51	2.23				0.003	0.013	0.013
EQT 028 2B2	0.017	0.084	0.074	2.35	11.74	10.29	0.51	0.51	2.23				0.003	0.013	0.013
EQT 029 2B3	0.015	0.077	0.066	2.145	10.725	9.395	0.51	0.51	2.23				0.002	0.011	0.009
EQT 030 BR1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 034 PC1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 036 T1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 037 T1A	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 038 T2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 039 T3	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
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 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Biphenyl			Bromoform			Cadmium (and compounds)			Carbon disulfide			Chlorine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01							< 0.001	< 0.001	< 0.001						
EQT 010 04-01							< 0.001	< 0.001	< 0.001						
EQT 011 05-01							< 0.001	< 0.001	< 0.001						
EQT 021 15-01			< 0.01			0.07			0.041			0.23			
EQT 022 16-01													0.01	0.02	0.05
EQT 023 17-01							< 0.001	< 0.001	< 0.001						
EQT 027 281							0.001	0.004	< 0.001						
EQT 028 282							< 0.01	0.004	< 0.01						
EQT 029 283							0.001	0.004	0.004						
EQT 030 BR1.2							< 0.001	< 0.001	< 0.001						
EQT 031 CT1													0.01	0.02	0.05
EQT 032 CT2													0.01	0.02	0.05
EQT 033 EBR3							< 0.001	< 0.001	< 0.001						
EQT 034 PC1							< 0.001	< 0.001	< 0.001						
EQT 036 T1							< 0.001	< 0.001	< 0.001						
EQT 037 T1A							< 0.001	< 0.001	< 0.001						
EQT 038 T2							< 0.001	< 0.001	< 0.001						
EQT 039 T3							< 0.001	< 0.001	< 0.001						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorobenzene			Chloroethane			Chloroform			Chromium VI (and compounds)			Cobalt compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01															
EQT 010 04-01															
EQT 011 05-01															
EQT 021 15-01			0.039			0.08						0.241			0.09
EQT 022 16-01															
EQT 023 17-01															
EQT 027 2B1															
EQT 028 2B2															
EQT 029 2B3															
EQT 030 BR1.2															
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3															
EQT 034 PC1															
EQT 036 T1															
EQT 037 T1A															
EQT 038 T2															
EQT 039 T3															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Copper (and compounds)			Cumene			Dichloromethane			Dimethyl sulfate			Ethyl benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01	< 0.001	< 0.001	< 0.001												
EQT 010 04-01	< 0.001	< 0.001	< 0.001												
EQT 011 05-01	< 0.001	< 0.001	< 0.001												
EQT 021 15-01						0.01			0.52			0.09			0.17
EQT 022 16-01															
EQT 023 17-01	< 0.001	< 0.001	< 0.001												
EQT 027 281	0.084	0.419	0.368												
EQT 028 282	0.084	0.419	0.368												
EQT 029 283	0.077	0.383	0.337												
EQT 030 BR1.2	< 0.001	< 0.001	< 0.001												
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3	< 0.001	< 0.001	< 0.001												
EQT 034 PC1	< 0.001	< 0.001	< 0.001												
EQT 036 T1	< 0.001	< 0.001	< 0.001												
EQT 037 T1A	< 0.001	< 0.001	< 0.001												
EQT 038 T2	< 0.001	< 0.001	< 0.001												
EQT 039 T3	< 0.001	< 0.001	< 0.001												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Formaldehyde			Hydrochloric acid			Hydrofluoric acid			Hydrogen cyanide			Lead compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01													< 0.01	< 0.01	< 0.01
EQT 010 04-01													< 0.01	< 0.01	< 0.01
EQT 011 05-01													< 0.01	< 0.01	< 0.01
EQT 021 15-01			0.430			118.54			16.03			4.49			0.54
EQT 022 16-01															
EQT 023 17-01													< 0.01	< 0.01	< 0.01
EQT 027 2B1	0.090	0.090	0.394	89.50	447.40	392.00	17.20	85.90	75.20				0.02	0.08	0.07
EQT 028 2B2	0.090	0.090	0.394	89.50	447.40	392.00	17.20	85.90	75.20				0.02	0.08	0.07
EQT 029 2B3	0.090	0.090	0.394	89.50	447.40	392.00	17.20	85.90	75.20				0.02	0.08	0.07
EQT 030 BR1.2													< 0.01	< 0.01	< 0.01
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3													< 0.01	< 0.01	< 0.01
EQT 034 PC1													< 0.01	< 0.01	< 0.01
EQT 036 T1													< 0.01	< 0.01	< 0.01
EQT 037 T1A													< 0.01	< 0.01	< 0.01
EQT 038 T2													< 0.01	< 0.01	< 0.01
EQT 039 T3													< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Manganese (and compounds)			Mercury (and compounds)			Methyl Tertiary Butyl Ether			Methyl bromide			Methyl chloride		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 010 04-01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 011 05-01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 021 15-01			0.83			0.120			0.06			0.29			0.95
EQT 022 16-01															
EQT 023 17-01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 027 281	0.17	0.84	0.73	0.047	0.233	0.206									
EQT 028 282	0.17	0.84	0.74	0.047	0.233	0.206									
EQT 029 283	0.15	0.77	0.67	0.047	0.233	0.206									
EQT 030 BR1,2	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 034 PC1	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 036 T1	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 037 T1A	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 038 T2	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
EQT 039 T3	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Methyl ethyl ketone			Naphthalene			Nickel (and compounds)			Phenol			Polynuclear Aromatic Hydrocarbons		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01							< 0.001	< 0.001	< 0.001						
EQT 010 04-01							< 0.001	< 0.001	< 0.001						
EQT 011 05-01							< 0.001	< 0.001	< 0.001						
EQT 021 15-01			0.70			0.02			0.368			0.03			0.014
EQT 022 16-01															
EQT 023 17-01							< 0.001	< 0.001	< 0.001						
EQT 027 281							0.034	0.168	0.149						
EQT 028 282							0.034	0.168	0.148						
EQT 029 283							0.031	0.153	0.136						
EQT 030 BR1,2							< 0.001	< 0.001	< 0.001						
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3							< 0.001	< 0.001	< 0.001						
EQT 034 PC1							< 0.001	< 0.001	< 0.001						
EQT 036 T1							< 0.001	< 0.001	< 0.001						
EQT 037 T1A							< 0.001	< 0.001	< 0.001						
EQT 038 T2							< 0.001	< 0.001	< 0.001						
EQT 039 T3							< 0.001	< 0.001	< 0.001						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01				< 0.001	< 0.001	< 0.001									
EQT 010 04-01				< 0.001	< 0.001	< 0.001									
EQT 011 05-01				< 0.001	< 0.001	< 0.001									
EQT 021 15-01			0.68			1.790						215.70			0.43
EQT 022 16-01															
EQT 023 17-01				< 0.001	< 0.001	< 0.001									
EQT 027 2B1				0.008	0.042	0.035				3.00	14.80	12.90			
EQT 028 2B2				0.008	0.042	0.035				3.00	14.80	12.90			
EQT 029 2B3				0.008	0.038	0.035				3.00	14.80	12.90			
EQT 030 BR1,2				< 0.001	< 0.001	< 0.001									
EQT 031 CT1															
EQT 032 CT2															
EQT 033 EBR3				< 0.001	< 0.001	< 0.001									
EQT 034 PC1				< 0.001	< 0.001	< 0.001									
EQT 036 T1				< 0.001	< 0.001	< 0.001									
EQT 037 T1A				< 0.001	< 0.001	< 0.001									
EQT 038 T2				< 0.001	< 0.001	< 0.001									
EQT 039 T3				< 0.001	< 0.001	< 0.001									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject item	Vinyl acetate			Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 008 02-01							< 0.01	< 0.01	< 0.01			
EQT 010 04-01							< 0.01	< 0.01	< 0.01			
EQT 011 05-01							< 0.01	< 0.01	< 0.01			
EQT 021 15-01			0.01			0.07						0.12
EQT 022 16-01												
EQT 023 17-01							< 0.01	< 0.01	< 0.01			
EQT 027 2B1							0.08	0.38	0.33			
EQT 028 2B2							0.08	0.38	0.33			
EQT 029 2B3							0.07	0.35	0.30			
EQT 030 BR1.2							< 0.01	< 0.01	< 0.01			
EQT 031 CT1												
EQT 032 CT2												
EQT 033 EBR3							< 0.01	< 0.01	< 0.01			
EQT 034 PC1							< 0.01	< 0.01	< 0.01			
EQT 036 T1							< 0.01	< 0.01	< 0.01			
EQT 037 T1A							< 0.01	< 0.01	< 0.01			
EQT 038 T2							< 0.01	< 0.01	< 0.01			
EQT 039 T3							< 0.01	< 0.01	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,2-Dibromoethane			1,2-Dichloroethane			2,4-Dinitrotoluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040															
T4															
EQT 041															
T8															
EQT 049															
WBR3															
EQT 058															
01-01															
EQT 060															
06-01															
EQT 062															
01-06															
EQT 063															
02-06															
EQT 064															
03-06															
EQT 065															
04-06															
EQT 080															
19-06															
EQT 081															
20-06															
EQT 082															
TNK-72															
EQT 083															
TNK-73															
EQT 084															
TNK-74															
EQT 085															
TNK-75															
FUG 002															
FUG 2															
FUG 003															
FUG 1															
FUG 004															
FUG 3															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Acetaldehyde			Acetophenone			Acrolein			Ammonia			Antimony (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4													< 0.001	< 0.001	< 0.001
EQT 041 T8													< 0.001	< 0.001	< 0.001
EQT 049 WBR3													< 0.001	< 0.001	< 0.001
EQT 058 01-01													< 0.001	< 0.001	< 0.001
EQT 060 06-01													< 0.001	< 0.001	< 0.001
EQT 062 01-05													< 0.01	< 0.01	< 0.01
EQT 063 02-06													< 0.001	< 0.001	< 0.001
EQT 064 03-06													< 0.001	< 0.001	< 0.001
EQT 065 04-06													< 0.001	< 0.001	< 0.001
EQT 080 19-06													< 0.001	< 0.001	< 0.001
EQT 081 20-06													< 0.001	< 0.001	< 0.001
EQT 082 TNK-72									0.20	0.20	0.86				
EQT 083 TNK-73									0.20	0.20	0.86				
EQT 084 TNK-74									0.20	0.20	0.86				
EQT 085 TNK-75									0.20	0.20	0.86				
FUG 002 FUG 2													< 0.001	< 0.001	< 0.001
FUG 003 FUG 1													< 0.001	< 0.001	< 0.001
FUG 004 FUG 3													< 0.001	< 0.001	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Arsenic (and compounds)			Barium (and compounds)			Benzene			Benzyl chloride			Beryllium (Table 51.1)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001							< 0.001	< 0.001	< 0.001
EQT 041 T8	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 049 WB83	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 058 01-01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 060 06-01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 062 01-06	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001							< 0.001	< 0.001	< 0.001
EQT 063 02-06	< 0.001	< 0.001	< 0.001	< 0.001	0.004	0.002							< 0.001	< 0.001	< 0.001
EQT 064 03-06	< 0.001	< 0.001	< 0.001	< 0.001	0.004	< 0.001							< 0.001	< 0.001	< 0.001
EQT 065 04-06	< 0.001	< 0.001	< 0.001	< 0.001	0.004	0.001							< 0.001	< 0.001	< 0.001
EQT 080 19-06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 081 20-06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
EQT 082 TNK-72															
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002 FUG 2	< 0.001	0.014	< 0.001	< 0.001	0.350	< 0.001							< 0.001	0.002	< 0.001
FUG 003 FUG 1	< 0.001	< 0.001	< 0.001	< 0.001	0.006	< 0.001							< 0.001	< 0.001	< 0.001
FUG 004 FUG 3	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Biphenyl			Bromoform			Cadmium (and compounds)			Carbon disulfide			Chlorine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4							< 0.001	< 0.001	< 0.001						
EQT 041 T8							< 0.001	< 0.001	< 0.001						
EQT 049 WBR3							< 0.001	< 0.001	< 0.001						
EQT 058 01-01							< 0.001	< 0.001	< 0.001						
EQT 060 06-01							< 0.001	< 0.001	< 0.001						
EQT 062 01-06							< 0.001	< 0.001	< 0.001						
EQT 063 02-05							< 0.001	< 0.001	< 0.001						
EQT 064 03-06							< 0.001	< 0.001	< 0.001						
EQT 065 04-06							< 0.001	< 0.001	< 0.001						
EQT 080 19-06							< 0.001	< 0.001	< 0.001						
EQT 081 20-06							< 0.001	< 0.001	< 0.001						
EQT 082 TNK-72															
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002 FUG 2							< 0.001	0.001	< 0.001						
FUG 003 FUG 1							< 0.001	< 0.001	< 0.001						
FUG 004 FUG 3							< 0.001	< 0.001	< 0.001						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorobenzene			Chloroethane			Chloroform			Chromium VI (and compounds)			Cobalt compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4															
EQT 041 T6															
EQT 049 WBR3															
EQT 058 01-01															
EQT 060															
EQT 062 06-01															
EQT 063 01-06															
EQT 063 02-06															
EQT 064 03-06															
EQT 065															
EQT 065 04-06															
EQT 080 19-06															
EQT 081 20-06															
EQT 082 TNK-72															
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002															
FUG 002 FUG 2															
FUG 003 FUG 1															
FUG 004 FUG 3															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Copper (and compounds)			Cumene			Dichloromethane			Dimethyl sulfate			Ethyl benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4	< 0.001	< 0.001	< 0.001												
EQT 041 T8	< 0.001	< 0.001	< 0.001												
EQT 049 WBR3	< 0.001	< 0.001	< 0.001												
EQT 058 01-01	< 0.001	< 0.001	< 0.001												
EQT 060 06-01	< 0.001	< 0.001	< 0.001												
EQT 062 01-06	< 0.001	< 0.001	< 0.001												
EQT 063 02-06	< 0.001	< 0.001	< 0.001												
EQT 064 03-06	< 0.001	< 0.001	< 0.001												
EQT 065 04-06	< 0.001	< 0.001	< 0.001												
EQT 080 19-06	< 0.001	< 0.001	< 0.001												
EQT 081 20-06	< 0.001	< 0.001	< 0.001												
EQT 082 TNK-72															
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002 FUG 2	< 0.001	0.013	< 0.001												
FUG 003 FUG 1	< 0.001	< 0.001	< 0.001												
FUG 004 FUG 3	< 0.001	< 0.001	< 0.001												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Formaldehyde			Hydrochloric acid			Hydrofluoric acid			Hydrogen cyanide			Lead compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4													< 0.01	< 0.01	< 0.01
EQT 041 T8													< 0.01	< 0.01	< 0.01
EQT 049 WBRS													< 0.01	< 0.01	< 0.01
EQT 058 01-01													< 0.01	< 0.01	< 0.01
EQT 060 06-01													< 0.01	< 0.01	< 0.01
EQT 062 01-06													< 0.01	< 0.01	< 0.01
EQT 063 02-06													< 0.01	< 0.01	< 0.01
EQT 064 03-06													< 0.01	< 0.01	< 0.01
EQT 065 04-06													< 0.01	< 0.01	< 0.01
EQT 080 19-06													< 0.01	< 0.01	< 0.01
EQT 081 20-06													< 0.01	< 0.01	< 0.01
EQT 082 TNK-72													< 0.01	< 0.01	< 0.01
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002 FUG2													< 0.01	0.04	< 0.01
FUG 003 FUG 1													< 0.01	< 0.01	< 0.01
FUG 004 FUG 3													< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Manganese (and compounds)				Mercury (and compounds)				Methyl Tertiary Butyl Ether				Methyl bromide				Methyl chloride			
	Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year	
EQT 040 T4	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 041 T8	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 049 WBR3	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 058 01-01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 060 06-01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 062 01-06	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 063 02-06	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 064 03-06	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 065 04-06	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 080 19-06	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 081 20-06	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001												
EQT 082 TNK-72																				
EQT 083 TNK-73																				
EQT 084 TNK-74																				
EQT 085 TNK-75																				
FUG 002 FUG 2	< 0.01	0.082	< 0.01	0.001	0.001	0.001	0.001	0.001												
FUG 003 FUG 1	< 0.01	< 0.01	< 0.01	0.001	0.001	0.001	0.001	0.001												
FUG 004 FUG 3	< 0.01	< 0.01	< 0.01	0.001	0.001	0.001	0.001	0.001												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject item	Methyl ethyl ketone			Naphthalene			Nickel (and compounds)			Phenol			Polynuclear Aromatic Hydrocarbons		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4							< 0.001	< 0.001	< 0.001						
EQT 041 T8							< 0.001	< 0.001	< 0.001						
EQT 049 WBR3							< 0.001	< 0.001	< 0.001						
EQT 058 01-01							< 0.001	< 0.001	< 0.001						
EQT 060 06-01							< 0.001	< 0.001	< 0.001						
EQT 062 01-06							< 0.001	< 0.001	< 0.001						
EQT 063 02-06							< 0.001	< 0.001	< 0.001						
EQT 064 03-06							< 0.001	< 0.001	< 0.001						
EQT 065 04-06							< 0.001	< 0.001	< 0.001						
EQT 080 19-06							< 0.001	< 0.001	< 0.001						
EQT 081 20-06							< 0.001	< 0.001	< 0.001						
EQT 082 TNK-72															
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002 FUG 2							< 0.001	0.026	< 0.001						
FUG 003 FUG 1							< 0.001	< 0.001	< 0.001						
FUG 004 FUG 3							< 0.001	< 0.001	< 0.001						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4				< 0.001	< 0.001	< 0.001									
EQT 041 T8				< 0.001	< 0.001	< 0.001									
EQT 049 WBR3				< 0.001	< 0.001	< 0.001									
EQT 058 01-01				< 0.001	< 0.001	< 0.001									
EQT 060 06-01				< 0.001	< 0.001	< 0.001									
EQT 062 01-06				< 0.001	< 0.001	< 0.001									
EQT 063 02-06				< 0.001	< 0.001	< 0.001									
EQT 064 03-06				< 0.001	< 0.001	< 0.001									
EQT 065 04-06				< 0.001	< 0.001	< 0.001									
EQT 080 19-06				< 0.001	< 0.001	< 0.001									
EQT 081 20-06				< 0.001	< 0.001	< 0.001									
EQT 082 TNK-72															
EQT 083 TNK-73															
EQT 084 TNK-74															
EQT 085 TNK-75															
FUG 002 FUG2				< 0.001	0.005	< 0.001									
FUG 003 FUG1				< 0.001	< 0.001	< 0.001									
FUG 004 FUG3				< 0.001	< 0.001	< 0.001									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Vinyl acetate			Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 T4							< 0.01	< 0.01	< 0.01			
EQT 041 T8							< 0.01	< 0.01	< 0.01			
EQT 049 WBR3							< 0.01	< 0.01	< 0.01			
EQT 058 01-01							< 0.01	< 0.01	< 0.01			
EQT 060 06-01							< 0.01	< 0.01	< 0.01			
EQT 062 01-06							< 0.01	< 0.01	< 0.01			
EQT 063 02-06							< 0.01	< 0.01	< 0.01			
EQT 064 03-06							< 0.01	< 0.01	< 0.01			
EQT 065 04-06							< 0.01	< 0.01	< 0.01			
EQT 080 19-06							< 0.01	< 0.01	< 0.01			
EQT 081 20-06							< 0.01	< 0.01	< 0.01			
EQT 082 TNK-72												
EQT 083 TNK-73												
EQT 084 TNK-74												
EQT 085 TNK-75												
FUG 002 FUG 2							< 0.01	0.06	< 0.01			
FUG 003 FUG 1							< 0.01	< 0.01	< 0.01			
FUG 004 FUG 3							< 0.01	< 0.01	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,1,2-Tetrachloroethane			1,2-Dibromoethane			1,2-Dichloroethane			2,4-Dinitrotoluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1.2															
FUG 010 FUG 6															
GRP 010 Scenario 3: 15-01 N	0.01	0.01	0.04	0.02	0.02	0.08	< 0.001	< 0.001	< 0.001	0.016	0.016	0.072	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Acetaldehyde			Acetophenone			Acrolein			Ammonia			Antimony (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006															
S 1.2															
FUG 010															
FUG 6															
GRP 010	0.23	0.23	1.02	0.01	0.01	0.03	0.120	0.120	0.120	0.520	9.20	9.20	0.004	0.004	40.30
Scenario 3: 15-01 N															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Arsenic (and compounds)			Barium (and compounds)			Benzene			Benzyl chloride			Beryllium (Table 51.1)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1.2	< 0.001	< 0.001	< 0.001	0.005	0.031	0.021							< 0.001	< 0.001	< 0.001
FUG 010 FUG 6	< 0.001	0.001	< 0.001	< 0.001	0.014	0.001							< 0.001	< 0.001	< 0.001
GRP 010 Scenario 3: 15-01 N	0.140	0.140	0.590	0.690	0.690	3.010	0.53	0.53	2.34	0.29	0.29	1.26	0.006	0.006	0.026

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Biphenyl			Bromoform			Cadmium (and compounds)			Carbon disulfide			Chlorine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1.2							< 0.001	< 0.001	< 0.001						
FUG 010 FUG 6							< 0.001	< 0.001	< 0.001						
GRP 010 Scenario 3: 15-01 N	< 0.01	< 0.01	< 0.01	0.02	0.02	0.07	0.009	0.009	0.041	0.05	0.05	0.23			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorobenzene			Chloroethane			Chloroform			Chromium VI (and compounds)			Cobalt compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1.2															
FUG 010 FUG 6															
GRP 010 Scenario 3: 15-01 N	0.009	0.009	0.039	0.02	0.02	0.08	0.02	0.02	0.11	0.055	0.055	0.241	0.02	0.02	0.09

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Copper (and compounds)			Cumene			Dichloromethane			Dimethyl sulfate			Ethyl benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1.2	< 0.001	0.001	0.001												
FUG 010 FUG 6	< 0.001	0.001	< 0.001												
GRP 010 Scenario 3: 15-01 N				< 0.01	< 0.01	0.01	0.12	0.12	0.52	0.02	0.02	0.09	0.04	0.04	0.17

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Formaldehyde			Hydrochloric acid			Hydrofluoric acid			Hydrogen cyanide			Lead compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1,2													< 0.01	< 0.01	< 0.01
FUG 010 FUG 6													< 0.01	< 0.01	< 0.01
GRP 010 Scenario 3: 15-01 N	0.10	0.10	0.430	27.06	27.06	118.54	3.66	3.66	16.03	1.03	1.03	4.49	0.12	0.12	0.54

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Manganese (and compounds)			Mercury (and compounds)			Methyl Tertiary Butyl Ether			Methyl bromide			Methyl chloride		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1.2	< 0.01	< 0.01	< 0.01												
FUG 010 FUG 6	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001									
GRP 010 Scenario 3: 15-01 N	0.19	0.19	0.83	0.028	0.028	0.120	0.01	0.01	0.06	0.07	0.29	0.22	0.22	0.95	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Methyl ethyl ketone			Naphthalene			Nickel (and compounds)			Phenol			Polynuclear Aromatic Hydrocarbons		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S1.2							< 0.001	< 0.001	< 0.001						
FUG 010 FUG 6							< 0.001	0.001	< 0.001						
GRP 010 Scenario 3: 15-01 N	0.16	0.16	0.70	0.01	0.01	0.02	0.084	0.084	0.01	0.01	0.03	0.003	0.015	0.014	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1,2				< 0.001	< 0.001	< 0.001									
FUG 010 FUG 6				< 0.001	< 0.001	< 0.001									
GRP 010 Scenario 3: 15-01 N	0.16	0.16	0.68	0.410	0.410	1.790	0.01	0.01	0.05	49.20	49.20	215.70	0.10	0.10	0.43

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Vinyl acetate		Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane			
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 S 1,2				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
FUG 010				< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01			
FUG 6												
GRP 010 Scenario 3: 15-01 N	< 0.01	< 0.01	0.01	0.02	0.02	0.07	0.03	0.03	0.03	0.03	0.03	0.12

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- 1,1,1-Trichloroethane: 0.04 tons/yr
- 1,1,2,2-Tetrachloroethane: 0.08 tons/yr
- 1,2-Dibromoethane: 0.002 tons/yr
- 1,2-Dichloroethane: 0.072 tons/yr
- Acetaldehyde: 1.02 tons/yr
- Acrolein: 0.520 tons/yr
- Ammonia: 43.74 tons/yr
- Antimony (and compounds): 0.045 tons/yr
- Arsenic (and compounds): 0.804 tons/yr
- Barium (and compounds): 33.005 tons/yr
- Benzene: 9.03 tons/yr
- Beryllium (Table 51.1): 0.061 tons/yr
- Biphenyl: <0.01 tons/yr
- Cadmium (and compounds): 0.045 tons/yr
- Carbon disulfide: 0.23 tons/yr
- Chlorine: 0.15 tons/yr
- Chlorobenzene: 0.039 tons/yr
- Chloroethane: 0.08 tons/yr
- Chloroform: 0.11 tons/yr
- Chromium VI (and compounds): 0.241 tons/yr
- Copper (and compounds): 1.074 tons/yr
- Cumene: 0.01 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

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Air - Title V Regular Permit Major Mod

All phases

Dichloromethane: 0.52 tons/yr
Ethyl benzene: 0.17 tons/yr
Formaldehyde: 1.612 tons/yr
Hydrazine: <0.001 tons/yr
Hydrochloric acid: 1294.54 tons/yr
Hydrofluoric acid: 241.63 tons/yr
Hydrogen cyanide: 4.49 tons/yr
Lead compounds: 0.75 tons/yr
Manganese (and compounds): 2.97 tons/yr
Mercury (and compounds): 0.745 tons/yr
Methyl chloride: 0.95 tons/yr
Methyl ethyl ketone: 0.70 tons/yr
n-Hexane: 0.12 tons/yr
Naphthalene: 0.02 tons/yr
Nickel (and compounds): 0.801 tons/yr
Phenol: 0.03 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.014 tons/yr
Propionaldehyde: 0.68 tons/yr
Selenium (and compounds): 1.895 tons/yr
Styrene: 0.05 tons/yr
Sulfuric acid: 254.40 tons/yr
Toluene: 0.43 tons/yr
Vinyl acetate: 0.01 tons/yr
Xylene (mixed isomers): 0.07 tons/yr
Zinc (and compounds): 0.96 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT008 02-01 - Transfer Tower T-20

- 1 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 2 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 3 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 4 Particulate Matter (10 microns or less) \geq 99.9% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 5 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 6 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 7 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: $<$ 0.01 lbs/hr; $<$ 0.01 TPY; Total enclosure and vent to a baghouse. [LAC 33:III.509]
- 8 Full enclosure and a baghouse operating at 99.9% control efficiency is determined as MACT. [LAC 33:III.5109.A]
- 9 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 10 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 11 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT010 04-01 - Transfer Tower T-22 / Crusher

- 12 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 13 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 14 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the throughput each month, as well as the throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 15 Submit report: Due annually, by the 31st of March. Report the annual throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 16 Annual Throughput \leq 3.595 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
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EQT010 04-01 - Transfer Tower T-22 / Crusher

- 17 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 18 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 19 Particulate Matter (10 microns or less) >= 99.9% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 20 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 21 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 22 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: 0.05 lbs/hr; 0.08 TPY; Total enclosure and vent to a baghouse. [LAC 33:III.509]
- 23 Full enclosure and a baghouse operating at 99.9% control efficiency is determined as MACT. [LAC 33:III.5109.A]
- 24 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 25 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 26 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT011 05-01 - Emergency Unloading

- 27 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 28 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 29 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 30 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 31 Annual Throughput <= 375000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 32 Determined as BACT in PSD-LA-677(M-1)
Maximum Allowable Emission Rates:
PM10: 1.24 lb/hr; < 0.01 TPY; Use best management practices and periodic pile watering. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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Air - Title V Regular Permit Major Mod

EQT011 05-01 - Emergency Unloading

- 33 Use of a best management practices and wet suppression systems operating at 90% control efficiency is determined as MACT. [LAC 33:III.5109.A]
- 34 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 35 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 36 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT021 15-01 - Boiler No. 4(2B4)

- 37 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 38 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 39 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 40 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 41 Sulfur dioxide <= 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
- 42 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.1513
- 43 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]
- 44 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 45 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM/PM10: 0.015 lb/MM BTU (filterable); 98.5 lb/hr; 431.4 TPY; Use of a fabric filter.
SO2: 0.10 lb/MM BTU (30-day rolling average); 1,516.7 lb/hr; 2,875.9 TPY; Wet flue gas desulfurization.
NOX: 0.07 lb/MM BTU (30-day rolling average); 758.9 lb/hr; 2,013.1 TPY; Combination of low-NOX burners and selective catalytic reduction.
CO: 0.135 lb/MM BTU; 1,772.8 lb/hr; 3,882.5 TPY; Combustion control.
VOC: 0.0034 lb/MM BTU; 22.3 lb/hr; 97.7 TPY; Combustion control.
H2SO4 Mist: 0.0075 lb/MM BTU; 49.2 lb/hr; 215.7 TPY; Wet flue gas desulfurization and sorbent injection upstream of the baghouse.
Flourides: 0.00056 lb/MM BTU; 13.85 lb/hr; 60.66 TPY; Combined use of sorbent injection and wet flue gas desulfurization. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ021 15-01 - Boiler No. 4(2B4)

- 46 Permittee shall demonstrate compliance with the VOC limits by performing stack tests on EQ021, 15-01 - Boiler No. 4(2B4). The following test method and procedure from New Source Performance Standards (NSPS), 40 CFR 60, Appendix A, shall be used: Volatile Organic Compound (VOC) by Method 25A - Determination of Total Gaseous Concentration using a Flame Ionization Analyzer. Alternate stack test methods may be used with the prior approval of the Office of Environmental Assessment, Environmental Technology Division. [LAC 33:III.509]
- 47 Carbon Monoxide (CO) emissions from EQ021, 15-01 - Boiler No. 4(2B4), shall be monitored by a Continuous Emission Monitoring System (CEMS) calibrated, operated, and maintained according to manufacturers' specifications. The CO CEMS shall be certified according to Performance Specification 4 of 40 CFR 60 Appendix B. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply. [LAC 33:III.509]
- 48 Opacity \leq 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]
- 49 Particulate matter (10 microns or less) \leq 0.03 lb/MMBTU (0.03 lb/J) heat input. BACT limits determined in PSD-LA-677(M-1) are more stringent. Subpart Da. [40 CFR 60.42Da(d)(1)]
- Which Months: All Year Statistical Basis: Six-minute average
- Which Months: All Year Statistical Basis: None specified
- 50 Particulate matter (10 microns or less) \geq 99.9 % reduction, determined according to the procedure in 40 CFR 60.48Da(o)(5). Subpart Da. [40 CFR 60.42Da(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 51 Sulfur dioxide \leq 1.4 lb/MWh (180 ng/J) heat input. BACT limits determined in PSD-LA-677(M-1) are more stringent. Subpart Da. [40 CFR 60.43Da(i)(1)(i)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 52 Nitrogen oxides \leq 1.0 lb/MWh (130 ng/J) heat input. BACT limits determined in PSD-LA-677(M-1) are more stringent. Subpart Da. [40 CFR 60.44Da(e)(1)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 53 Do not discharge into the atmosphere any gases from a new affected source that contain Hg in excess of the computed weighted Hg emissions limit based on the proportion of energy output (in Britain thermal units, Btu) contributed by each coal rank burned during the compliance period and its applicable Hg emissions limit in 40 CFR 60.45Da(a)(1) through (4) as determined using Equation 1 of 40 CFR 60.45Da(a)(5)(i). Meet the weighted Hg emissions limit calculated using Equation 1 of 40 CFR 60.45Da(a)(5)(i) by calculating the unit emission rate based on the total Hg loading of the unit and the total Btu or megawatts hours contributed by all fuels burned during the compliance period. Subpart Da. [40 CFR 60.45Da(a)(5)(i)]
- 54 Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)]
- 55 Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 56 Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 57 Comply with the Hg emission standards under 40 CFR 60.45Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 58 During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.46Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)]
- 59 Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Compliance is met with the installation and operation of a certified CEMS for SO₂. Subpart Da. [40 CFR 60.48Da(e)]
- 60 Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Compliance is met with the installation and operation of a certified CEMS for NO_x. Subpart Da. [40 CFR 60.48Da(e)]
- 61 Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)]

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- 62 Determine compliance with the SO₂ and NO_x emission standards by calculating the arithmetic average of all hourly emission rates for SO₂ and NO_x for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NO_x only), or emergency conditions (SO₂ only). Subpart Da. [40 CFR 60.48Da(g)(1)]
- 63 Determine compliance with SO₂ percentage reduction requirements based on the average inlet and outlet SO₂ emission rates for the 30 successive boiler operating days. Subpart Da. [40 CFR 60.48Da(g)(2)]
- 64 Determine compliance with particulate matter emission limitations by calculating the arithmetic average of all hourly emission rates for particulate matter each boiler operating day, except for data obtained during startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(g)(3)]
- 65 If an owner or operator has not obtained the minimum quantity of emission data as required under 40 CFR 60.49Da of this subpart, compliance of the affected facility with the emission requirements under 40 CFR 60.43Da and 40 CFR 60.44Da of this subpart for the day on which the 30-day period ends may be determined by the Administrator by following the applicable procedures in section 7 of Method 19. Subpart Da. [40 CFR 60.48Da(h)]
- 66 Calculate NO_x emissions by multiplying the average hourly NO_x output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and dividing by the average hourly gross energy output, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]
- 67 Calculate the Hg emission rate (lb/MWh) for each calendar month of the year, using hourly Hg concentrations measured according to the provisions of 40 CFR 60.49Da(p) in conjunction with hourly stack gas volumetric flow rates measured according to the provisions of 40 CFR 60.49Da(l) or (m), and hourly gross electrical outputs, determined according to the provisions in 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(l)]
- 68 Calculate SO₂ emissions by multiplying the average hourly SO₂ output concentration, measured according to the provisions of 40 CFR 60.49Da(b), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and divided by the average hourly gross energy output, measured according to provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(m)]
- 69 An owner or operator must use opacity monitoring equipment as an indicator of continuous particulate matter control device performance and demonstrate compliance with 40 CFR 60.42Da(b). In addition, baseline parameters shall be established as the highest hourly opacity average measured during the performance test. If any hourly average opacity measurement is more than 110 percent of the baseline level, the owner or operator will conduct another performance test within 60 days to demonstrate compliance. A new baseline is established during each stack test. The new baseline shall not exceed the opacity limit specified in 40 CFR 60.42Da(b). Subpart Da. [40 CFR 60.48Da(o)(2)]
- 70 Except as provided in paragraph (p) of this section, the owner or operator of an affected facility for which construction, reconstruction, or modification commenced after February 28, 2005, shall demonstrate compliance with each applicable emission limit according to the requirements in paragraphs (o)(1) through (o)(5) of this section. Subpart Da. [40 CFR 60.48Da(o)]
- 71 As an alternative to meeting the compliance provisions specified in paragraph (o) of this section, an owner or operator may elect to install, certify, maintain, and operate a continuous emission monitoring system measuring particulate matter emissions discharged from the affected facility to the atmosphere and record the output of the system as specified in paragraphs (p)(1) through (p)(8) of this section. Subpart Da. [40 CFR 60.48Da(p)]
- 72 Opacity monitored by continuous opacity monitor (COM) continuously, except as provided for in 40 CFR 60.49Da(t) and (u). If opacity interference due to water droplets exists in the stack, monitor opacity upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations, monitor alternate parameters indicative of the particulate matter control system's performance (subject to the approval of DEQ). Subpart Da. [40 CFR 60.49Da(a)]
Which Months: All Year Statistical Basis: Six-minute average
- 73 Opacity recordkeeping by electronic or hard copy continuously, except as provided for in 40 CFR 60.49Da(t) and (u). Subpart Da. [40 CFR 60.49Da(a)]
- 74 Sulfur dioxide monitored by CMS continuously. Monitor at both the inlet and outlet of the sulfur dioxide control device. Subpart Da. [40 CFR 60.49Da(b)]
Which Months: All Year Statistical Basis: One-hour average
- 75 Sulfur dioxide recordkeeping by electronic or hard copy continuously. Subpart Da. [40 CFR 60.49Da(b)]

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- 76 If the owner or operator has installed a NOX emission rate continuous monitoring system (CEMS) to meet the requirements of Part 75 of this chapter and is continuing to meet the ongoing requirements of Part 75 of this chapter, that CEMS may be used to meet the requirements of this section, except that the owner or operator shall also meet the requirements of 40 CFR 60.51Da. Data reported to meet the requirements of 40 CFR 60.51Da shall not include data substituted using the missing data procedures in subpart D of part 75 of this chapter, nor shall the data have been bias adjusted according to the procedures of part 75 of this chapter. Subpart Da. [40 CFR 60.49Da(c)(2)]
- 77 Oxygen or Carbon dioxide monitored by CEMS continuously. Monitor the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
- Which Months: All Year Statistical Basis: One-hour average
- 78 Oxygen or Carbon dioxide recordkeeping by electronic or hard copy continuously. Record the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
- 79 The CEMS under 40 CFR 60.49Da(b), (c), & (d) are operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. Subpart Da. [40 CFR 60.49Da(e)]
- 80 Obtain emission data for at least 90 percent of all operating hours for each 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)(2)]
- 81 The 1-hour averages required under paragraph 40 CFR 60.13(h) are expressed in ng/J (lb/million BTU) heat input and used to calculate the average emission rates under 40 CFR 60.48Da. The 1-hour averages are calculated using the data points required under 40 CFR 60.13(b). At least two data points must be used to calculate the 1-hour averages. Subpart Da. [40 CFR 60.49Da(g)]
- 82 When it becomes necessary to supplement CEMS data to meet the minimum data requirements in 40 CFR 60.49Da(f), the owner or operator shall use the reference methods and procedures as specified in 40 CFR 60.49Da(h)(1) - (h)(4). Acceptable alternative methods and procedures are given in 40 CFR 60.49Da(j). Subpart Da. [40 CFR 60.49Da(h)]
- 83 The owner or operator shall use methods and procedures in 40 CFR 60.49Da(i)(1) - (5) to conduct monitoring system performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Acceptable alternative methods and procedures are given in 40 CFR 60.49Da(j). Subpart Da. [40 CFR 60.49Da(i)]
- 84 The owner or operator of an affected facility demonstrating compliance with an output-based standard under 40 CFR 60.42Da, 40 CFR 60.43Da, 40 CFR 60.44Da, or 40 CFR 60.45Da shall install, certify, operate, and maintain a continuous flow monitoring system meeting the requirements of Performance Specification 6 of appendix B and procedure 1 of appendix F of this subpart, and record the output of the system, for measuring the flow of exhaust gases discharged to the atmosphere. Subpart D. [40 CFR 60.49Da(l)]
- 85 Alternatively, data from a continuous flow monitoring system certified according to the requirements of 40 CFR 75.20, meeting the applicable quality control and quality assurance requirements of 40 CFR 75.21, and validated according to 40 CFR 75.23, may be used. Subpart Da. [40 CFR 60.49Da(m)]
- 86 Mercury monitored by continuous emission monitor (CEM) continuously. Monitor the concentration of Hg in the exhaust gases from each stack according to the requirements in 40 CFR 60.49Da(p)(1) through (3). Subpart Da. [40 CFR 60.49Da(p)]
- Which Months: All Year Statistical Basis: One-hour average
- 87 Mercury recordkeeping by electronic or hard copy continuously. Record the concentration of Hg in the exhaust gases from each stack according to the requirements in 40 CFR 60.49Da(p)(1) through (3). Subpart Da. [40 CFR 60.49Da(p)]
- 88 As an alternative to the CEMS required in 40 CFR 60.49Da(p), the owner or operator may use a sorbent trap monitoring system (as defined in 40 CFR 72.2) to monitor Hg concentration, according to the procedures described in 40 CFR 75.15 and Appendix K to 40 CFR 75. Subpart Da. [40 CFR 60.49Da(q)]
- 89 For Hg CEMS that measure Hg concentration on a dry basis or for sorbent trap monitoring systems, the emission data must be corrected for the stack gas moisture content. A certified continuous moisture monitoring system that meets the requirements of 40 CFR 75.11(b) is acceptable for this purpose. Alternatively, the appropriate default moisture value, as specified in 40 CFR 75.11(b) or 75.12(b), may be used. Subpart Da. [40 CFR 60.49Da(r)]
- 90 Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)]

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- 91 Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. 40 CFR 60.8(f) does not apply for SO₂ and NO_x. Subpart Da. [40 CFR 60.50Da(a)]
- 92 Determine compliance with the particulate matter and opacity standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)]
- 93 Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)]
- 94 Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)]
- 95 Use the procedures in 40 CFR 60.50Da(g)(1) through (2) to calculate emission rates based on electrical output to the grid plus half of the equivalent electrical energy in the unit's process stream, for the purposes of determining compliance with the emission limits in 40 CFR 60.45Da and 60.46Da. Subpart Da. [40 CFR 60.50Da(g)]
- 96 Determine compliance with the Hg limit in 40 CFR 60.45Da using the procedures specified in 40 CFR 60.50Da(h)(1) through (h)(3). Subpart Da. [40 CFR 60.50Da(h)]
- 97 Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
- 98 Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)]
- 99 Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)]
- 100 Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)]
- 101 Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability, for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)]
- 102 Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(g)(1) through (5). Subpart Da. [40 CFR 60.51Da(g)]
- 103 Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)]
- 104 Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)]
- 105 The owner or operator of an affected facility shall submit the written reports required under this section and subpart A to the Administrator semiannually for each six-month period. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period. Subpart Da. [40 CFR 60.51Da(j)]

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- 106 The owner or operator of an affected facility may submit electronic quarterly reports for SO₂ and/or NO_x and/or opacity and/or Hg in lieu of submitting the written reports required under 40 CFR 60.51(b), 51(g), or 51(i) of this section. The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of this subpart was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in the alternative format. Subpart Da. [40 CFR 60.51Da(k)]
- 107 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Provide notifications in accordance with 40 CFR 60.7(a). Subpart Da. [40 CFR 60.52Da]
- 108 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of all information needed to demonstrate compliance including performance tests, monitoring data, fuel analyses, and calculations, consistent with the requirements of 40 CFR 60.7(f). Subpart Da. [40 CFR 60.52Da]
- 109 Specific QA/QC Procedures: Permittee shall follow the testing protocol established in 40 CFR 60.50Da(b)(2), 40 CFR 60 Appendix A, Reference Method 5, for the PM₁₀ stack tests of the baghouse. [40 CFR 64.3(b)(3)]
- 110 Specific QA/QC Procedures: Permittee shall follow all QA/QC as required for a Continuous Opacity Monitoring System (COMs) on the baghouse. [40 CFR 64.3(b)(3)]
- 111 Specific QA/QC Procedures: Permittee shall follow the testing protocol established in 40 CFR 60 Appendix A, Reference Method 8 or 8A, for the H₂SO₄ stack tests of the wet scrubber. [40 CFR 64.3(b)(3)]
- 112 Specific QA/QC Procedures: Permittee shall calibrate, maintain, and operate the pH meter for the wet scrubber according to manufacturer's specifications. [40 CFR 64.3(b)(3)]
- 113 Specific QA/QC Procedures: Permittee shall calibrate, maintain, and operate instrumentation to check liquid flow rate on the wet scrubber according to manufacturer's specifications. [40 CFR 64.3(b)(3)]
- 114 Comply with the submitted implementation plan and schedule for installing, testing and performing any other appropriate activities prior to use of the monitoring, if any of the approved monitoring in this permit requires installation, testing, or other necessary activities prior to use of the monitoring for purposes of 40 CFR 64. Implement monitoring as expeditiously as practicable after approval of the monitoring pursuant to 40 CFR 64.6, but in no case shall the period for completing installation and beginning operation of the monitoring exceed 180 days after approval of the permit. [40 CFR 64.4(e)]
- 115 Permittee shall perform stack testing using 40 CFR 60 Appendix A, Reference Method 5 to ensure compliance with the PM₁₀ limitation of 98.50 lb/hr, once EQT021, 15-01 - Boiler No. 4(2B4), is operating at full load, at the mid-point connection of the stack flue. The testing location shall meet 40 CFR 60 Appendix A, Reference Method 1 criteria. [40 CFR 64.6(c)(1)]
- 116 Opacity monitored continuously by a COMs at the exit stack for the boiler, or at an appropriate point in the flue gas stream per wet stack conditions. [40 CFR 64.6(c)(1)]
- 117 Permittee shall perform stack testing using 40 CFR 60, Appendix A, Reference Method 8 or 8A, to ensure compliance with the H₂SO₄ emission limitation of 49.2 lb/hr, once EQT021, 15-01 - Boiler No. 4(2B4), is operating at full load, at the mid-point connection of the stack flue. The testing location shall meet 40 CFR 60 Appendix A, Reference Method 1 criteria. [40 CFR 64.6(c)(1)]
- 118 Liquid flow rate of the scrubber monitored continuously by liquid flow meter at pump discharge. [40 CFR 64.6(c)(1)]
- 119 Permittee shall monitor the visible emissions by visual inspection/determination daily, when the COMs is not operating. If visible emissions are observed, then opacity monitored by 40 CFR 60, Appendix A, Method 9 within one hour using a trained observer if corrective actions have not been completed. Method 9 Recordkeeping by manual logging upon measurement. The Method 9 Observations shall consist of 24 consecutive readings at 15 second intervals. The average of the 24 readings shall be the opacity record. [40 CFR 64.6(c)(1)]
- 120 Liquid pH of the scrubber monitored hourly by a pH meter at the scrubber liquid effluent. [40 CFR 64.6(c)(1)]
- 121 Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)]

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- 122 An excursion or exceedance for the Continuous Opacity Monitoring System (COMS) is defined as an opacity reading which exceeds the indicator range, established during the stack test while EQT021, 15-01 - Boiler No. 4(2B4), is in normal operation. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 123 An excursion or exceedance, for the stack test of the baghouse, is defined as an actual measurement, based upon a full 40 CFR 60, Appendix A, Reference Method 5 test, in excess of the applicable PM10 limit of 98.50 lb/hr. An excursion shall trigger an inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 124 An excursion or exceedance, for the stack test of the wet scrubber, is defined as an actual measurement, based upon a full 40 CFR 60 Appendix A, Reference Method 8 or 8A test, in excess of the applicable H2SO4 limit of 49.2 lb/hr. An excursion shall trigger an inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 125 An excursion or exceedance for the liquid pH of the wet scrubber is defined as a pH meter reading which exceeds the indicator range, established during the stack test while EQT021, 15-01 - Boiler No. 4(2B4), is in normal operation. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 126 An excursion or exceedance for the liquid flow meter on the wet scrubber is defined as a liquid flow rate which exceeds the indicator range, established during the stack test while EQT021, 15-01 - Boiler No. 4(2B4), is in normal operation. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 127 An excursion or exceedance is defined as an Opacity > 20 percent verified by using 40 CFR 60 Appendix A Method 9 at a time other than the daily observation. An excursion is also any missed daily visible emission observation that is not due to weather conditions. [40 CFR 64.6(c)(2)]
- 128 Stack test results of the baghouse recordkeeping by manually logging upon measurement. Stack tests shall consist of three 1-hour stack tests using 40 CFR 60, Appendix A, Reference Method 5, under normal operation. [40 CFR 64.6(c)(4)]
- 129 Opacity recordkeeping by logbook method upon measurement. The opacity data shall consist of three hour block averages of the 6 minute readings. [40 CFR 64.6(c)(4)]
- 130 Stack test results of the wet scrubber recordkeeping by manually logging upon measurement. Stack tests shall consist of three tests using 40 CFR 60, Appendix A, Reference Method 8 or 8A, under normal operation. [40 CFR 64.6(c)(4)]
- 131 Flow rate recordkeeping by strip chart, round chart, or data acquisition (DAS) system/electronic data storage continuously. [40 CFR 64.6(c)(4)]
- 132 Scrubber liquid pH recordkeeping by strip chart, round chart, or data acquisition (DAS) system/electronic data storage hourly. [40 CFR 64.6(c)(4)]
- 133 Visible emissions recordkeeping by manual logging upon measurement. [40 CFR 64.6(c)(4)]
- 134 Schedule for installation, testing or final verification of operational status: Permittee shall conduct three 1-hour stack tests to establish indicator range for PM10 emissions, once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load, using 40 CFR 60, Appendix A, Reference Method 5 for PM10 emissions. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. [40 CFR 64.6(d)]
- 135 Schedule for installation, testing or final verification of operational status: Permittee shall conduct three stack tests to establish indicator range for H2SO4 emissions, once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load, using 40 CFR 60, Appendix A, Reference Method 8 or 8A for H2SO4 emissions. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. [40 CFR 64.6(d)]
- 136 Schedule for installation or final verification of operational status: Permittee shall establish indicator range for opacity using COMS, which correlates with the PM10 emission readings gathered in the stack tests. The stack tests for PM10 emissions are to be conducted once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load. The indicator range for opacity using the COMS is due within 180 days after initial start-up (or restart-up after modification), or within 60 days after achieving normal operations. [40 CFR 64.6(d)]
- 137 Schedule for installation or final verification of operational status: Permittee shall establish indicator range for the liquid pH of the wet scrubber, which correlates with the H2SO4 emission readings gathered in the stack tests. The stack tests for H2SO4 emissions are to be conducted once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load. The indicator range for liquid pH of the wet scrubber is due within 180 days after initial start-up (or restart-up after modification), or within 60 days after achieving normal operations. [40 CFR 64.6(d)]

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- 138 Schedule for installation or final verification of operational status: Permittee shall establish indicator range for the liquid flow rate in the wet scrubber, which correlates with the H2SO4 emission readings gathered in the stack tests. The stack tests for H2SO4 emissions are to be conducted once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load. The indicator range for the liquid flow rate in the wet scrubber is due within 180 days after initial start-up (or restart-up after modification), or within 60 days after achieving normal operations. [40 CFR 64.6(d)]
- 139 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- 140 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- 141 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the dust collector. Trained observers shall maintain certification by completing the semi-annual qualification procedure specified in Method 9. [40 CFR 64.7(b)]
- 142 Conduct stack tests, develop and maintain indicator range, to monitor baghouse performance as required under 40 CFR 64, once during the lifetime of this permit, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 143 Conduct stack tests, develop and maintain indicator range, to monitor wet scrubber performance as required under 40 CFR 64, once during the lifetime of this permit, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 144 Conduct all opacity monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, using COMs, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 145 Conduct all liquid pH monitoring for the wet scrubber required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, using a pH meter, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 146 Conduct liquid flow rate monitoring for the wet scrubber required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, using a liquid flow meter, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 147 Restore operation of the wet scrubber to its normal or usual manner of operation as expeditiously as practicable upon detecting visible emissions or an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT021 15-01 - Boiler No. 4(2B4)

- 148 Restore operation of the baghouse to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- 149 Submit written notification: Due to the Office of Environmental Compliance within 30 days upon identifying a failure to achieve compliance with the LAC 33:III.1101.B emission limitation or the LAC 33:III.1313.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 150 Submit written notification: Due to the Office of Environmental Compliance within 30 days upon identifying a failure to achieve compliance with the LAC 33:III.1503.C emission limitation or standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 151 Submit written notification: Due to the Office of Environmental Compliance within 7 days upon identifying a failure to achieve compliance with the 20% opacity emission limitation for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 152 Threshold Limit: A threshold limit is defined as six exceedances of the limitation during any twelve month consecutive period. Upon exceeding the threshold limit, develop and implement a Quality Improvement Plan (QIP) as expeditiously as practical. [40 CFR 64.8(a)]
- 153 Maintain a written Quality Improvement Plan (QIP) and have it available for inspection. Include initially in the plan procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, modify the plan to include procedures for conducting one or more of the actions specified in 40 CFR 64.8(b)(2)(i) through (b)(2)(v), as appropriate. [40 CFR 64.8(b)]
- 154 Develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable. [40 CFR 64.8(c)]
- 155 Submit notification: Notify the DEQ if the period for completing the improvements contained in the Quality Improvement Plan (QIP) exceeds 180 days from the date on which the need to implement the QIP was determined. [40 CFR 64.8(c)]
- 156 Make reasonable changes to the Quality Improvement Plan (QIP) as the DEQ requires, upon any determination pursuant to 40 CFR 64.7(d)(2) subsequent to implementation. [40 CFR 64.8(d)]
- 157 Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 158 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 159 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 160 Flow rate recordkeeping by strip chart, round chart, or data acquisition (DAS) system/electronic data storage continuously to document liquid flow. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 161 Opacity recordkeeping by continuous opacity monitor (COM) continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]

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AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT021 15-01 - Boiler No. 4(2B4)

- 162 Stack test results of PM10 emissions of the baghouse recordkeeping by manually logging results directly after tests are taken. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 163 Stack test results of H2SO4 emissions of the wet scrubber recordkeeping by manually logging results directly after tests are taken. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 164 Monitoring data recordkeeping by electronic or hard copy as needed. Maintain records of Method 9 semi-annual qualification certification, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 165 Filter certification of the MERV Performance Test Data recordkeeping by electronic or hard copy continuously. The installed air filter shall have a Minimum Efficiency Reporting Value (MERV per ASHRAE Standard 52.2) equal to or greater than 16 at the tested air velocity in feet per minute. After stack tests are complete, permittee shall submit the tested air velocity in feet per minute to the Louisiana Department of Environmental Quality, Office of Environmental Services, Air Permits Division. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 166 Scrubber liquid pH recordkeeping by a pH meter hourly to document pH. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 167 As an alternative to the Continuous Opacity Monitoring System (COMS) to check opacity at the baghouse, the permittee may install, calibrate, operate, and maintain a Particulate Matter Continuous Emission Monitoring System (PM CEMS). In the event a PM CEMS is selected, the permittee shall comply with Performance Specification 11 of 40 CFR 60 Appendix B and the QA/QC provisions of Procedure 2 of 40 CFR 60 Appendix F. Permittee shall also submit to the Louisiana Department of Environmental Quality for approval a detailed Compliance Assurance Monitoring (CAM) Plan for the PM CEMS. [40 CFR 64]

EQT022 16-01 - Cooling Tower 3

168 Determined as BACT in PSD-LA-677:

Maximum Allowable Emission Rates:

PM10: 7.16 lb/hr; 20.90 TPY; Mechanical drift eliminator designed to achieve a drift rate of 0.002%. [LAC 33:III.509]

EQT023 17-01 - Unit 4 Ash Silo

169 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

170 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

171 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

172 Particulate Matter (10 microns or less) \geq 99.9% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

173 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT023 17-01 - Unit 4 Ash Silo

- 174 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 175 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.39 lb/hr; 1.70 TPY; Silos vent emissions to a filter system which reduces emissions by 99%. Solid ash to off-site customers is loaded into sealed trucks or covered trucks (wetted) and emissions are routed to filter system. Ash that is stored in the on-site landfill is first conditioned to approximately 12% moisture then transferred to trucks. [LAC 33:III.509]
- 176 A filter system which reduces emissions by 99.9% is determined as MACT. [LAC 33:III.5109.A]

EQT027 2B1 - Boiler No. 1

- 177 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 178 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 179 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 180 Sulfur dioxide \leq 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
- 181 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
- 182 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]
- 183 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 184 The provisions of LAC 33:III.2201 apply during the ozone season, May 1 through September 30, of each year. During the remainder of the year, the NOX limit imposed by Acid Rain Permit 2260-00012-IV3 is most stringent. [LAC 33:III.2201.A.2]
- 185 Nitrogen oxides \leq 0.21 lb/MMBTU by use of a facility-wide averaging plan as an alternative means of compliance with the emission factors of LAC 33:III.2201.D. [LAC 33:III.2201.D.1]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 186 For any electric power generating system boiler that operates with a combination of fuels, if the secondary fuel is less than 10% of the weighted average, complying with the unadjusted limit for the primary fuel is allowed. Boiler is started with fuel oil. [LAC 33:III.2201.D.2.c]
- 187 Demonstrate compliance as an alternative means with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.i or the method in LAC 33:III.2201.E.1.b.ii. [LAC 33:III.2201.E.1.b]
- 188 Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers. [LAC 33:III.2201.H.1.b.j]
Which Months: May-Sep Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT027 **2B1 - Boiler No. 1**

- 189 Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.ii]
Which Months: May-Sep Statistical Basis: None specified
- 190 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NOx limits of LAC 33:III.2201.D or E. [LAC 33:III.2201.H.1.b.iii]
- 191 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously to demonstrate continuous compliance with the NOx emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program. [LAC 33:III.2201.H.1.b.iii]
Which Months: May-Sep Statistical Basis: None specified
- 192 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.iv]
Which Months: May-Sep Statistical Basis: None specified
- 193 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 194 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 195 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 196 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 197 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 198 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 199 Maximum Allowable Emission Rates:
PM10: 642.00 lb/hr, 2,812.00 TPY; Use of an Electrostatic Precipitator
SO2: 7,704.00 lb/hr, 33,743.50 TPY
NOX: 1,476.60 lb/hr, 17,715.30 TPY; NOX emission limit is for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; EQT029, 2B3 - Boiler No. 3
CO: 12,636.60 lb/hr, 15,370.00 TPY
VOC: 23.50 lb/hr, 102.90 TPY. [LAC 33:III.501.C.6]
- 200 Carbon Monoxide (CO) emissions from EQT027, 2B1 - Boiler No. 1; EQT028, shall be monitored by a Continuous Emission Monitoring Systems (CEMS) calibrated, operated, and maintained according to manufacturer's specifications. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply. [LAC 33:III.507.H.1]
- 201 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 202 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average
- 203 Sulfur dioxide <= 1.2 lb/MMBTU. Subpart D. [40 CFR 60.43(a)(2)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT027 **2B1 - Boiler No. 1**

- 204 Nitrogen oxides \leq 0.70 lb/MMBTU. Limits established in Acid Rain Permit No. 2260-00012-IV3 are more stringent. Subpart D. [40 CFR 60.44(a)(3)]
Which Months: All Year Statistical Basis: None specified
- 205 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Excess emissions for opacity, SO₂, and NO_x are defined by 40 CFR 60.45(g)(1), (2)(i), & (3). Subpart D. [40 CFR 60.45(g)]
- 206 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 207 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 208 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 209 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 210 Determine compliance with the PM/opacity, SO₂, and NO_x standards in 40 CFR 60.42, 60.43, and 60.44 using the reference methods and procedures detailed in 40 CFR 60.46(b). Subpart D. [40 CFR 60.46(b)]
- 211 PM10/HAPs: Submit the information required under 40 CFR 64.4 as part of an application for a renewal of the Part 70 permit, unless an earlier submittal becomes necessary pursuant to 40 CFR 64.5(a)(2). Affected HAPs include As, Be, Cr, Co, Pb, Mn, Ni, and Se.□
Ba, Cu, Zn, H₂SO₄, & NH₃ are not federally regulated HAPs.□
The ESP is the final PM10/HAP control device, except for HCL, HF, & Hg.□
Sb, Cd, & Hg pre-control device emissions are less than the major source threshold of 10 TPY. 40 CFR 64.2(a)(3). [40 CFR 64.5(a)(3)]

EQT028 **2B2 - Boiler No. 2**

- 212 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 213 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 214 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 215 Sulfur dioxide \leq 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
- 216 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
- 217 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III.Chapter 39. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT028 **2B2 - Boiler No. 2**

- 218 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.2201.15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 219 The provisions of LAC 33:III.2201 apply during the ozone season, May 1 through September 30, of each year. During the remainder of the year, the NOX limit imposed by Acid Rain Permit 2260-00012-IV3 is most stringent. [LAC 33:III.2201.A.2]
- 220 Nitrogen oxides \leq 0.21 lb/MMBTU by use of a facility-wide averaging plan as an alternative means of compliance with the emission factors of LAC 33:III.2201.D. [LAC 33:III.2201.D.1]
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 221 For any electric power generating system boiler that operates with a combination of fuels, if the secondary fuel is less than 10% of the weighted average, complying with the unadjusted limit for the primary fuel is allowed. Boiler is started with fuel oil. [LAC 33:III.2201.D.2.c]
- 222 Demonstrate compliance as an alternative means with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.i or the method in LAC 33:III.2201.E.1.b.ii. [LAC 33:III.2201.E.1.b]
- 223 Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers. [LAC 33:III.2201.H.1.b.i]
- Which Months: May-Sep Statistical Basis: None specified
- 224 Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 225 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NOx limits of LAC 33:III.2201.D or E. [LAC 33:III.2201.H.1.b.iii]
- 226 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously to demonstrate continuous compliance with the NOx emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program. [LAC 33:III.2201.H.1.b.iii]
- Which Months: May-Sep Statistical Basis: None specified
- 227 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.iv]
- Which Months: May-Sep Statistical Basis: None specified
- 228 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.2201.H.7]
- Which Months: May-Sep Statistical Basis: None specified
- 229 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor. [LAC 33:III.2201.H.7]
- Which Months: May-Sep Statistical Basis: None specified
- 230 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 231 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 232 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 233 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT028 **2B2 - Boiler No. 2**

234 Maximum Allowable Emission Rates:

PM10: 642.00 lb/hr, 2,812.00 TPY; Use of an Electrostatic Precipitator

SO2: 7,704.00 lb/hr, 33,743.50 TPY

NOX: 1,476.60 lb/hr, 17,715.30 TPY; NOX emission limit is for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; EQT029, 2B3 - Boiler No. 3

CO: 12,636.60 lb/hr, 15,370.00 TPY

VOC: 23.50 lb/hr, 102.90 TPY. [LAC 33:III.501.C.6]

235 Carbon Monoxide (CO) emissions from EQT028, 2B2 - Boiler No. 2, shall be monitored by a Continuous Emission Monitoring Systems (CEMS) calibrated, operated, and maintained according to manufacturer's specifications. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply. [LAC 33:III.507.H.1]

236 Particulate matter (10 microns or less) \leq 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or wood residue. Subpart D: [40 CFR 60.42(a)(1)]

Which Months: All Year Statistical Basis: None specified

237 Opacity \leq 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]

Which Months: All Year Statistical Basis: Six-minute average

238 Sulfur dioxide \leq 1.2 lb/MMBTU. Subpart D. [40 CFR 60.43(a)(2)]

Which Months: All Year Statistical Basis: None specified

239 Nitrogen oxides \leq 0.70 lb/MMBTU. Limits established in Acid Rain Permit No. 2260-00012-IV3 are more stringent. Subpart D. [40 CFR 60.44(a)(3)]

Which Months: All Year Statistical Basis: None specified

240 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Excess emissions for opacity, SO2, and NOX are defined by 40 CFR 60.45(g)(1), (2)(i), & (3). Subpart D. [40 CFR 60.45(g)]

241 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

242 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

243 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

244 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

245 Determine compliance with the PM/Opacity, SO2, and NOX standards in 40 CFR 60.42, 60.43, and 60.44 using the reference methods and procedures detailed in 40 CFR 60.46(b). Subpart D. [40 CFR 60.46(b)]

246 PM10/HAPs: Submit the information required under 40 CFR 64.4 as part of an application for a renewal of the Part 70 permit, unless an earlier submittal becomes necessary pursuant to 40 CFR 64.5(a)(2). Affected HAPs include As, Be, Cr, Co, Pb, Mn, Ni, and Se.

Ba, Cu, Zn, H2SO4, & NH3 are not federally regulated HAPs.

The ESP is the final PM10/HAP control device, except for HCL, HF, & Hg.

Sb, Cd, & Hg pre-control device emissions are less than the major source threshold of 10 TPY. 40 CFR 64.2(a)(3). [40 CFR 64.5(a)(3)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT029 2B3 - Boiler No. 3

- 247 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 248 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 249 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 250 Sulfur dioxide \leq 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
- 251 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
- 252 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]
- 253 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 254 The provisions of LAC 33:III.2201 apply during the ozone season, May 1 through September 30, of each year. During the remainder of the year, the NOX limit imposed by Acid Rain Permit 2260-00012-IV3 is most stringent. [LAC 33:III.2201.A.2]
- 255 Nitrogen oxides \leq 0.21 lb/MMBTU by use of a facility-wide averaging plan as an alternative means of compliance with the emission factors of LAC 33:III.2201.D. [LAC 33:III.2201.D.1]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 256 For any electric power generating system boiler that operates with a combination of fuels, if the secondary fuel is less than 10% of the weighted average, complying with the unadjusted limit for the primary fuel is allowed. Boiler is started with fuel oil. [LAC 33:III.2201.D.2.c]
- 257 Demonstrate compliance as an alternative means with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.i or the method in LAC 33:III.2201.E.1.b.ii. [LAC 33:III.2201.E.1.b]
- 258 Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers. [LAC 33:III.2201.H.1.b.i]
- Which Months: May-Sep Statistical Basis: None specified
- 259 Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 260 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NOx limits of LAC 33:III.2201.D or E. [LAC 33:III.2201.H.1.b.iii]
- 261 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously to demonstrate continuous compliance with the NOx emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program. [LAC 33:III.2201.H.1.b.iii]
- Which Months: May-Sep Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT029 **2B3 - Boiler No. 3**

- 262 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.iv]
Which Months: May-Sep Statistical Basis: None specified
- 263 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 264 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 265 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 266 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 267 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 268 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 269 Maximum Allowable Emission Rates:
PM10: 586.30 lb/hr, 2,568.00 TPY; Use of an Electrostatic Precipitator
SO2: 7,035.60 lb/hr, 30,815.90 TPY
NOX: 1,348.20 lb/hr, 17,715.30 TPY; NOX emission limit is for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; EQT029, 2B3 - Boiler No. 3
CO: 13,658.20 lb/hr, 16,662.80 TPY
VOC: 23.50 lb/hr, 102.90 TPY. [LAC 33:III.501.C.6]
- 270 Carbon Monoxide (CO) emissions from EQT029, 2B3 - Boiler No. 3, shall be monitored by a Continuous Emission Monitoring Systems (CEMS) calibrated, operated, and maintained according to manufacturer's specifications. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply. [LAC 33:III.507.H.1]
- 271 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 272 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average
- 273 Sulfur dioxide <= 1.2 lb/MMBTU. Subpart D. [40 CFR 60.43(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 274 Nitrogen oxides <= 0.70 lb/MMBTU. Limits established in Acid Rain Permit No. 2260-00012-IV3 are more stringent. Subpart D. [40 CFR 60.44(a)(3)]
Which Months: All Year Statistical Basis: None specified
- 275 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Excess emissions for opacity, SO2, and NOX are defined by 40 CFR 60.45(g)(1), (2)(i), & (3). Subpart D. [40 CFR 60.45(g)]
- 276 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT029 2B3 - Boiler No. 3

- 277 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 278 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 279 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 280 Determine compliance with the PM/Opacity, SO₂, and NO_x standards in 40 CFR 60.42, 60.43, and 60.44 using the reference methods and procedures detailed in 40 CFR 60.46(b). Subpart D. [40 CFR 60.46(b)]
- 281 PM10/HAPs: Submit the information required under 40 CFR 64.4 as part of an application for a renewal of the Part 70 permit, unless an earlier submittal becomes necessary pursuant to 40 CFR 64.5(a)(2). Affected HAPs include As, Be, Cr, Co, Pb, Mn, Ni, and Se. □
Ba, Cu, Zn, H₂SO₄, & NH₃ are not federally regulated HAPs. □
The ESP is the final PM10/HAP control device, except for HCL, HF, & Hg. □
Sb, Cd, & Hg pre-control device emissions are less than the major source threshold of 10 TPY. 40 CFR 64.2(a)(3). [40 CFR 64.5(a)(3)]

EQT030 BR1,2 - Unit 1 & Unit 2 Bunker Room

- 282 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C] 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 283 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 284 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 285 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 286 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 287 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 288 Use of full enclosure and a baghouse at 99% control is determined as MACT. [LAC 33:III.5109.A]
- 289 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 290 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT030 **BR1,2 - Unit 1 & Unit 2 Bunker Room**

291 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT033 **EBR3 - Unit 3 East Bunker Room**

292 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

293 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

294 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

295 Particulate Matter (10 microns or less) \geq 99% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

296 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

297 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

298 Use of full enclosure and a baghouse at 99% is determined as MACT. [LAC 33:III.5109.A]

299 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

300 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

301 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT034 **PC1 - Barge Unloading**

302 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

303 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

304 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

305 Particulate Matter (10 microns or less) \geq 98.5% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ1034 **PC1 - Barge Unloading**

- 306 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 307 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 308 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 1.24 lb/hr, 0.19 TPY; Use of a baghouse at 98.5% control for unloading operations. Installation of the baghouse is conditional if the Unit 4 Project becomes operational. [LAC 33:III.509]
- 309 Use of a baghouse during unloading operations at 98.5% is determined as MACT. Installation of the baghouse is conditional if the Unit 4 Project becomes operational. [LAC 33:III.5109.A]
- 310 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 311 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 312 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQ1035 **S 3.4 - Lime Silo Operation**

- 313 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 314 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 315 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 316 Particulate Matter (10 microns or less) \geq 99% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 317 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 318 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 319 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: $<$ 0.01 lb/hr, $<$ 0.01 TPY; Use of a baghouse at 99% control efficiency. [LAC 33:III.509]

EQ1036 **T1 - Transfer Tower T1**

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT036 T1 - Transfer Tower T1

- 320 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 321 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.01 lb/hr; 0.01 TPY; Partial enclosure and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.509]
- 322 Partial enclosure and use of spoon chutes at 98.5% control efficiency is determined as MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.5109.A]
- 323 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 324 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 325 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT037 T1A - Barge Unloading Transfer

- 326 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 327 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.19 lb/hr, 0.03 TPY; Partial enclosure of the bucket elevator and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.509]
- 328 Partial enclosure of the transfer operations and use of spoon chutes at 98.5% control efficiency is determined as MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.5109.A]
- 329 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 330 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 331 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT038 T2 - Transfer Tower T2

- 332 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

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EQT038 **T2 - Transfer Tower T2**

- 333 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.01 lb/hr, 0.01 TPY; Partial enclosure of transfer operations and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.509]
- 334 Partial enclosure of the transfer operations and use of spoon chutes at 98.5% is determined to be MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.5109.A]
- 335 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 336 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 337 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT039 **T3 - Transfer Tower T3**

- 338 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 339 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.01 lb/hr, 0.01 TPY; Partial enclosure of the transfer system and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.509]
- 340 Partial enclosure and use of spoon chutes at 98.5% control efficiency is determined as MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational. [LAC 33:III.5109.A]
- 341 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 342 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 343 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT040 **T4 - Transfer Tower T4/Crusher**

- 344 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 345 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: 0.50 lb/hr, 2.19 TPY; Use of partial enclosure and chemical spray. [LAC 33:III.509]
- 346 Use of partial enclosure and chemical spray at 99.5% control efficiency is determined as MACT. [LAC 33:III.5109.a]
- 347 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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EQT040 T4 - Transfer Tower T4/Crusher

- 348 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 349 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT041 T8 - Transfer Tower T8

- 350 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 351 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 352 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 353 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 354 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 355 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 356 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: 0.01 lb/hr, 0.01 TPY; Use partial enclosure and a baghouse. [LAC 33:III.509]
- 357 Use of a partial enclosure and a baghouse at 99% control efficiency on transfer operations is determined as MACT. [LAC 33:III.5109.A]
- 358 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 359 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 360 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT043 TNK12 - Gasoline Tank

- 361 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
- 362 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 363 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 364 Use of a submerged fill pipe on the tank is determined to be MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT049 **WBR3 - Unit 3 West Bunker Room**

365 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

366 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

367 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

368 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

369 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

370 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

371 Use of a baghouse at 99% control is determined as MACT. [LAC 33:III.5109.A]

372 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

373 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

374 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT050 **EG-1 - Emergency Generator #1**

375 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

376 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

377 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

378 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

379 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

380 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT050 **EG-1 - Emergency Generator #1**

381 Operating time \leq 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT051 **EG-2 - Emergency Generator #2**

382 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

383 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

384 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

385 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

386 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

387 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

388 Operating time \leq 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT052 **EF-1 - Emergency Firewater Pump #1**

389 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

390 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

391 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

392 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

393 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT052 EF-1 - Emergency Firewater Pump #1

- 394 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 395 Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

EQT053 EF-2 - Emergency Firewater Pump #2

- 396 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 397 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 398 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 399 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 400 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 401 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 402 Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

EQT058 01-01 - Coal Railcar Unloading Building

- 403 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 404 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
- PM10: 0.08 lb/hr, 0.09 TPY; Apply a dry fogging or equivalent dust suppression system. [LAC 33:III.509]
- 405 Apply a dry fogging or equivalent dust suppression system is determined as MACT. [LAC 33:III.5109.A]
- 406 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 407 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

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EQT058 01-01 - Coal Railcar Unloading Building

408 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT060 06-01 - Transfer Tower T-23

409 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

410 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

411 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

412 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

413 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

414 Annual Throughput \leq 3.595 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

415 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

416 Particulate Matter (10 microns or less) \geq 99.9% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

417 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

418 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

419 Determined as BACT in PSD-LA-677:

Maximum Allowable Emission Rates:

PM10: $<$ 0.01 lbs/hr; $<$ 0.01 TPY; Use of a fabric filter on the baghouse to control emissions. [LAC 33:III.509]

420 Use of a fabric filter on the baghouse to 99.9% control is determined to be MACT. [LAC 33:III.5109.A]

421 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

422 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

423 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT061 EG-3 - Emergency Generator #3

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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EQT061 EG-3 - Emergency Generator #3

- 424 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 425 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 426 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 427 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 428 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 429 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 430 Operating time \leq 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT062 01-06 - Stampler Reclaim System

- 431 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 432 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 433 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 434 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 435 Annual Throughput \leq 2.40 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 436 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 2.98 lb/hr, 0.12 TPY; Point uses a telescoping chute to minimize emission. [LAC 33:III.509]
- 437 Use a telescoping chute for emission control to 50% control efficiency is determined as MACT. [LAC 33:III.5109]
- 438 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified

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AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

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EQT062 01-06 - Stamler Reclaim System

- 439 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 440 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT063 02-06 - Luffing/Slewing Stacker Feed

- 441 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 442 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 6.20 lb/hr, 2.23 TPY; Materials from storage piles are watered prior to use. [LAC 33:III.509]
- 443 Determined as MACT: Materials from storage piles are watered prior to use. [LAC 33:III.5109]
- 444 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 445 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 446 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQT064 03-06 - Luffing/Slewing Stacker

- 447 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 448 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 449 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 450 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 451 Annual Throughput \leq 3.595 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 452 Determined as MACT: Process is controlled by 50% efficiency because material is wetted at storage pile. [LAC 33:III.5109]
- 453 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 454 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 455 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
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Air - Title V Regular Permit Major Mod

EQI065 04-06 - Portal Reclaimer

- 456 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
457 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 5.95 lb/hr, 2.14 TPY; Materials from storage piles are watered prior to use. [LAC 33:III.509]
- 458 Determined as MACT: Materials from storage piles are watered prior to use. [LAC 33:III.5109]
- 459 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
- 460 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 461 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

EQI066 05-06 - Limestone Rail Car Unloading

- 462 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 463 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 464 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 465 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 466 Annual Throughput <= 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 467 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10 1.07 lb/hr, 0.08 TPY; Apply a dry fogging or equivalent dust suppression system on the receiving hoppers of the limestone unloading operations. [LAC 33:III.509]
- 468 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 469 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 470 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 471 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 472 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT066 **05-06 - Limestone Rail Car Unloading**

- 473 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 474 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 475 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 476 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 477 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 478 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified

- 479 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 480 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 481 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 482 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 483 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQT067 **06-06 - Emergency Limestone Truck Unloading**

- 484 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 485 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 486 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT067 06-06 - Emergency Limestone Truck Unloading

- 487 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 488 Annual Throughput \leq 60000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 489 Which Months: All Year Statistical Basis: None specified
- 490 Determined as BACT in PSD-LA-677(M-1):
- Maximum Allowable Emission Rates:
- PM10 $<$ 0.01 lb/hr, $<$ 0.01 TPY; Use best management practices. [LAC 33:III.509]
- 490 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 491 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 492 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
- Which Months: All Year Statistical Basis: None specified
- 493 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 494 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 495 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 496 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 497 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 498 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 499 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 500 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 501 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 502 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart 000. [40 CFR 60.675(c)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT067 **06-06 - Emergency Limestone Truck Unloading**

- 503 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 504 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 505 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 506 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQT068 **07-06 - Emergency Limestone Reclaim**

- 507 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
- 508 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 509 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
- 510 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 511 Annual Throughput \leq 54000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
- 512 Determined as BACT in PSD-LA-677(M-1); Maximum Allowable Emission Rates:
PM10 1.79 lb/hr, 0.02 TPY; Partially enclose this point and use a dry fogging or equivalent dust suppression system. [LAC 33:III.509]
- 513 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)] Which Months: All Year Statistical Basis: None specified
- 514 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)] Which Months: All Year Statistical Basis: None specified
- 515 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)] Which Months: All Year Statistical Basis: None specified
- 516 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 517 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT068 07-06 - Emergency Limestone Reclaim

518 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

519 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]

520 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

521 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified

522 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]

523 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]

Which Months: All Year Statistical Basis: None specified

524 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]

525 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]

526 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

527 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

528 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(g)(1)]

EQT069 08-06 - Limestone Transfer Tower

529 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

530 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10 0.12 lb/hr, 0.50 TPY; Use a total enclosure and dry fogging or equivalent dust suppression system. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT069 **08-06 - Limestone Transfer Tower**

- 531 Total suspended particulate ≤ 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 532 Opacity ≤ 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 533 Fugitive emissions: Opacity ≤ 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 534 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 535 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 536 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 537 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 538 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 539 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 540 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 541 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 542 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 543 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 544 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 545 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 546 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT070 **09-06 - Limestone Stackout**

- 547 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 548 Which Months: All Year Statistical Basis: Six-minute average
Determined as BACT in PSD-LA-677(M-1):
- 549 Maximum Allowable Emission Rates:
PM10 0.12 lb/hr, 0.50 TPY; Equip point with a telescoping chute to minimize emissions. [LAC 33:III.509]
- 549 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 550 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 551 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 552 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 553 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 554 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 555 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 556 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 557 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 558 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 559 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 560 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 561 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 562 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT070 09-06 - Limestone Stackout

- 563 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 564 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQT071 10-06 - Limestone Reclaim

- 565 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 566 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 567 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 568 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 569 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 570 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 571 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 572 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 573 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 574 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 575 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 576 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT071 10-06 - Limestone Reclaim

- 577 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 578 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 579 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 580 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 581 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQT072 11-06 - Limestone Day Silos

- 582 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 583 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 584 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours. [LAC 33:III.501.C.6]
- 585 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 586 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 587 Particulate Matter (10 microns or less) \geq 99.5% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 588 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 589 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10 $<$ 0.01 lb/hr, 0.02 TPY; Use a baghouse to control emissions. [LAC 33:III.509]
- 590 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 591 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ1072 11-06 - Limestone Day Silos

592 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified

593 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(c)]

594 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]

595 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

596 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]

597 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

598 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified

599 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]

600 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]

Which Months: All Year Statistical Basis: None specified

601 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]

602 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]

603 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

604 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

605 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

EQ1073 12-06 - Gypsum Dewatering Building

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ1073 12-06 - Gypsum Dewatering Building

606 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

607 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 0.27 lb/hr, 1.17 TPY; Use best management practices to control emissions. [LAC 33:III.509]

608 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]

Which Months: All Year Statistical Basis: None specified

609 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified

610 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified

611 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]

612 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]

613 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]

614 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]

615 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]

616 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified

617 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]

618 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]

Which Months: All Year Statistical Basis: None specified

619 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]

620 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]

621 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT073 12-06 - Gypsum Dewatering Building

- 622 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 623 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQT074 13-06 - Gypsum Transfer Tower

- 624 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33-III.1311.C]
- 625 Determined as BACT in PSD-LA-677(M-1):
Which Months: All Year Statistical Basis: Six-minute average
Maximum Allowable Emission Rates:
- 626 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 627 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 628 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 629 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 630 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 631 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 632 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 633 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 634 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 635 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ1074 13-06 - Gypsum Transfer Tower

- 636 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- Which Months: All Year Statistical Basis: None specified
Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 637 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 638 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 639 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 640 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 641 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQ1075 14-06 - Gypsum Radial Stack Feed

- 642 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
- PM10: 0.13 lb/hr, 0.59 TPY; Use best management practices to control emissions. [LAC 33:III.509]
- 644 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
- Which Months: All Year Statistical Basis: None specified
Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
- 645 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
- Which Months: All Year Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 648 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 649 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT075 14-06 - Gypsum Radial Stacker Feed

- 650 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 651 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 652 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 653 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 654 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 655 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 656 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 657 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 658 Submit written reports of the results of all performance tests conducted to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 659 Submit a report within 30 days following the change of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to 40 CFR 60.672(h) and subsequently processes unsaturated materials. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11. Subpart 000. [40 CFR 60.676(g)]

EQT076 15-06 - Gypsum Transfer to Storage Piles

- 660 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 661 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.13 lb/hr, 0.59 TPY; Use best management practices to control emissions. [LAC 33:III.509]
- 662 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 663 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT076 15-06 - Gypsum Transfer to Storage Piles

- 664 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 665 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 666 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 667 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 668 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 669 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 670 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 671 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 672 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 673 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 674 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 675 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 676 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 677 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQT077 16-06 - Gypsum Truck Loading

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ1077 16-06 - Gypsum Truck Loading

- 678 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 679 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 680 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 681 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 682 Annual Throughput \leq 480000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 683 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
- PM10: 0.16 lb/hr, 0.24 TPY; Use best management practices to control emissions. [LAC 33:III.509]
- 684 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 685 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 686 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
- Which Months: All Year Statistical Basis: None specified
- 687 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 688 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 689 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 690 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 691 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 692 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 693 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQ1077 16-06 - Gypsum Truck Loading

694 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]

Which Months: All Year Statistical Basis: None specified

695 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]

696 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]

697 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]

698 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]

699 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

EQ1078 17-06 - Activated Carbon Silo Bin Vent

700 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

701 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

702 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours. [LAC 33:III.501.C.6]

703 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

704 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

705 Particulate Matter (10 microns or less) \geq 99.5% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

706 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

707 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10 0.12 lb/hr, 0.04 TPY; Control emissions through the use of a dust collector (baghouse or filter vent). [LAC 33:III.509]

708 Use of a baghouse at 99.5% control is determined as MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT079 18-06 - Sorbent Silo Bin Vent

- 709 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 710 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 711 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours. [LAC 33:III.501.C.6]
- 712 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 713 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 714 Particulate Matter (10 microns or less) \geq 99.5% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- 715 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 716 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10 0.12 lb/hr, 0.04 TPY; Control emissions through the use of a dust collector (baghouse or filter vent). [LAC 33:III.509]

EQT080 19-06 - Unit 4 Ash Truck Loading

- 717 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 718 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours. [LAC 33:III.501.C.6]
- 719 No further control is determined as MACT. [LAC 33:III.5109]

EQT081 20-06 - Unit 4 Bottom Ash Loading Emissions

- 720 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 721 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours. [LAC 33:III.501.C.6]
- 722 No further control is determined as MACT. [LAC 33:III.5109]

FUG002 FUG 2 - Coal Piles

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

FUG002 FUG 2 - Coal Piles

- 723 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
724 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 903.00 lb/hr, 1.025 TPY; No further control is required. [LAC 33:III.509]
725 No further control is determined as MACT. [LAC 33:III.5109.A]
726 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
727 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
728 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

FUG003 FUG 1 - Coal Handling Conveyors (16 sources)

- 729 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
730 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: 17.213 lb/hr, 0.88 TPY; Cover the conveyors and condition, by water or chemical suppression, prior to movement. [LAC 33:III.509]
731 Cover the conveyors at 90% and use water or chemical suppression prior to movement is determined as MACT. [LAC 33:III.5109.A]
732 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified
733 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
734 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

FUG004 FUG 3 - Fly Ash Pond

- 735 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
736 Determined as BACT in PSD-LA-677:
Maximum Allowable Emission Rates:
PM10: 475.30 lb/hr, 0.581 TPY; Use of wetting agent on ash material prior to unloading. [LAC 33:III.509]
737 Use of a wetting agent on ash material prior to unloading to 90% control is determined as MACT. [LAC 33:III.5109.A]

FUG005 FUG 5 - Road Emissions

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

FUG005 FUG 5 - Road Emissions

738 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

739 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 4.58 lb/hr, 18.28 TPY; Use of water spray to control dust emissions. [LAC 33:III.509]

740 Apply water spray to control dust emissions from roads to 50% is determined as MACT. [LAC 33:III.5109.A]

FUG006 S 1,2 - Fly Ash Handling Emissions

741 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

742 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

743 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

744 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

745 Particulate Matter (10 microns or less) \geq 99% removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

746 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

747 Use of a baghouse and telescopic chute to control emissions to 99% at filling and 40.5% at discharging operations is determined to be MACT. [LAC 33:III.5109.A]

FUG008 FUG 10 - Gypsum Pile & Loading Fugitive Emissions

748 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

749 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 40.80 lb/hr, 0.90 TPY; Use best management practices to control fugitive emissions. [LAC 33:III.509]

750 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]

Which Months: All Year Statistical Basis: None specified

751 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

FUG008 FUG 10 - Gypsum Pile & Loading Fugitive Emissions

- 752 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 753 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 754 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 755 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 756 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 757 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 758 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 759 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 760 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 761 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 762 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 763 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 764 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 765 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

FUG009 FUG 11 - Gypsum Conveyors

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

FUG009 FUG 11 - Gypsum Conveyors

- 766 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 767 Which Months: All Year Statistical Basis: Six-minute average
Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 0.07 lb/hr, 0.03 TPY; Cover conveyors to reduce wind erosion. [LAC 33:III.509]
- 768 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 769 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 770 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 771 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 772 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 773 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 774 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 775 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 776 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 777 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 778 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 779 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 780 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 781 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

FUG009 **FUG 11 - Gypsum Conveyors**

782 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

783 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

FUG010 **FUG 6 - New Coal Conveyors**

784 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

785 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 20.98 lb/hr, 0.74 TPY; Equip conveyors with covers to reduce wind erosion; Suppress dust through the use of dry fogging or equivalent dust suppression at conveyor transfer points. [LAC 33:III.509]

786 Process enclosure and dry fogging or equivalent dust suppression at transfer points at 90% control efficiency is determined as MACT. [LAC 33:III.5109]

787 Opacity \leq 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

788 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

789 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]

FUG011 **FUG 7 - Limestone Conveyors**

790 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

791 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

792 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

793 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

794 Annual Throughput \leq 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

FUG011 FUG 7 - Limestone Conveyors

- 795 Determined as BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM10: 52.43 lb/hr, 0.37 TPY; Use a partial enclosure and a dry fogging or equivalent dust suppression system. [LAC 33:III.509]
- 796 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 797 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 798 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 799 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 800 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 801 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 802 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 803 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]
- 804 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 805 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 806 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 807 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 808 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 809 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 810 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

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Air - Title V Regular Permit Major Mod

FUG011 FUG 7 - Limestone Conveyors

811 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

FUG012 FUG 8 - Limestone Pile Fugitive Emissions

812 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

813 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 56.3 lb/hr, 0.93 TPY; Use a wet suppression system to limit fugitive emissions. [LAC 33:III.509]

814 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]

Which Months: All Year Statistical Basis: None specified

815 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified

816 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified

817 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]

818 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(e)]

819 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]

820 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]

821 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]

822 Total suspended particulate monitored by the regulator's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified

823 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]

824 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

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FUG012 FUG 8 - Limestone Pile Fugitive Emissions

- 825 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 826 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 827 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 828 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 829 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

FUG013 FUG 9 - Limestone Emergency Unloading Fugitive Emissions

- 830 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 831 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 832 Total suspended particulate \leq 0.05 g/dscm (0.022 gr/dscf). Subpart 000. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 833 Opacity \leq 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart 000. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 834 Fugitive emissions: Opacity \leq 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart 000. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 835 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart 000. [40 CFR 60.672(e)]
- 836 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart 000. [40 CFR 60.672(g)]
- 837 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(1)]
- 838 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart 000. [40 CFR 60.672(h)(2)]
- 839 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart 000. [40 CFR 60.675(a)]

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FUG013 FUG 9 - Limestone Emergency Unloading Fugitive Emissions

- 840 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart 000. [40 CFR 60.675(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 841 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart 000. [40 CFR 60.675(b)(1)]
- 842 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart 000. [40 CFR 60.675(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 843 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart 000. [40 CFR 60.675(b)(2)]
- 844 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart 000. [40 CFR 60.675(d)]
- 845 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart 000. [40 CFR 60.675(g)]
- 846 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart 000. [40 CFR 60.676(f)]
- 847 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart 000. [40 CFR 60.676(i)(1)]

GRP005 Plant Wide

- 848 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 849 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 850 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 851 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 852 Do not fire an affected point source with Number 6 Fuel Oil or perform testing of emergency and training combustion units without prior approval of DEQ on a day that is designated as an Ozone Action Day by DEQ. [LAC 33:III.2201.D.9]
- 853 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MMBtu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 854 Include in the submitted plan a description of the actions that will be taken if any under-controlled unit is operated at more than 10 percent above its averaging capacity. [LAC 33:III.2201.E.1.d]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

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GRP005 Plant Wide

- 855 Equipment/operational data recordkeeping by electronic or hard copy continuously. Carry out recordkeeping that includes, but is not limited to, a record of the data on which the determination of each point source's hourly, daily, or 30-day, as appropriate, compliance with the facility-wide averaging plan is based. [LAC 33:III.2201.E.1.i]
- 856 Comply with the facility-wide averaging plan as approved by DEQ. [LAC 33:III.2201.E.1]
- 857 Submit a request for approval to use a facility-wide averaging plan, that includes the details of the plan, to DEQ either separately or with the permit application or in the optional compliance plan described in LAC 33:III.2201.F.7. [LAC 33:III.2201.E.1]
- 858 Emissions testing to demonstrate initial compliance with the NOX emission factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]
- 859 Submit report: Due annually, by the 1st of July. Submit ammonia emissions resulting from the operation of a NOx control equipment system in accordance with LAC 33:III.5107.A. Submit the ammonia report if the Unit 4 Project becomes operational. [LAC 33:III.2201.I.5]
- 860 Carbon monoxide <= 50820.57 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 861 Nitrogen oxides <= 19751.59 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 862 Particulate matter (10 microns or less) <= 8726.27 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 863 Sulfur dioxide <= 101183.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 864 VOC, Total <= 408.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 865 1,1,1-Trichloroethane <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 866 Acetaldehyde <= 1.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 867 Acrolein <= 0.520 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 868 Benzene <= 9.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 869 Carbon disulfide <= 0.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 870 Chlorobenzene <= 0.039 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 871 Chloroform <= 0.11 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 872 Cumene <= 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 873 Ethyl benzene <= 0.17 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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GRP005 Plant Wide

- 874 Chloroethane <= 0.08 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 875 1,2-Dibromoethane <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 876 1,2-Dichloroethane <= 0.072 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 877 Formaldehyde <= 1.612 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 878 n-Hexane <= 0.12 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 879 Methyl chloride <= 0.95 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 880 Methyl ethyl ketone <= 0.70 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 881 Phenol <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 882 Propionaldehyde <= 0.68 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 883 Styrene <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 884 1,1,2,2-Tetrachloroethane <= 0.08 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 885 Toluene <= 0.43 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 886 Vinyl acetate <= 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 887 Xylene (mixed isomers) <= 0.07 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 888 Chlorine <= 0.15 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 889 Hydrazine < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 890 Polynuclear Aromatic Hydrocarbons <= 0.014 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 891 Biphenyl < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 892 Naphthalene <= 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 893 Antimony (and compounds) <= 0.045 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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GRP005 Plant Wide

- 894 Arsenic (and compounds) \leq 0.804 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 895 Barium (and compounds) \leq 33.005 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 896 Beryllium (Table 51.1) \leq 0.061 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 897 Cadmium (and compounds) \leq 0.045 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 898 Chromium VI (and compounds) \leq 0.241 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 899 Copper (and compounds) \leq 1.074 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 900 Lead compounds \leq 0.75 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 901 Manganese (and compounds) \leq 2.97 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 902 Mercury (and compounds) \leq 0.745 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 903 Nickel (and compounds) \leq 0.801 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 904 Selenium (and compounds) \leq 1.895 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 905 Zinc (and compounds) \leq 0.96 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 906 Ammonia \leq 43.74 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 907 Hydrochloric acid \leq 1294.54 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 908 Hydrofluoric acid \leq 241.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 909 Sulfuric acid \leq 254.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 910 Dichloromethane \leq 0.52 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 911 Hydrogen cyanide \leq 4.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 912 Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. [LAC 33:III.507.G.5]

SPECIFIC REQUIREMENTS

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Air - Title V Regular Permit Major Mod

GRP005 Plant Wide

- 913 In order to achieve the NOX reductions required within the State of Louisiana by EPA's CAIR rule (Rule to Reduce Interstate Transport of Fine Particle Matter and Ozone (Clean Air Interstate Rule), 70 FR 25162-25405, May 12, 2005), the permittee shall install additional controls on one of the existing boilers: EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3; in accordance with and subject to the final implementation of CAIR. These controls must be installed and operational within a reasonable time, not to exceed 12 months, after commencement of operations of EQT021, 15-01 - Boiler No. 4(2B4), based on design, engineering, procurement, and scheduled outages. These NOX reductions will be incorporated into Louisiana's 2006 State Implementation Plan (SIP) required as part of the implementation of CAIR. This condition is non-binding if EQT021, 15-01 - Boiler No. 4(2B4), is not constructed. [LAC 33:III.507.H.1]
- 914 Comply with the requirements of PSD-LA-677(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-677(M-1). [LAC 33:III.509]
- 915 Control sources of Class I and II TAP for which facility-wide emissions are above the minimum emission rate to MACT standards. Impact of TAP shall be below the Ambient Air Standards. Submit TED1 for the preceding calendar year's emissions by the date stated in LAC 33:III.5107.A.2. Submit discharge reports as required. □
Electric utility steam-generating units (boilers) are currently exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51 per LAC 33:III.5105.B.2. □
Non-boiler sources of barium emissions require MACT. Additionally, ammonia emissions from the SCR system on Unit 4 and storage tanks, and chlorine emissions from the cooling towers will be regulated under Chapter 51. Aforementioned sources will not become subject to Chapter 51 if Unit 4 is not constructed. [LAC 33:III.51]
- 916 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 917 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 918 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 919 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 920 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 921 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 922 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 923 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 924 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 925 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 926 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 927 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 928 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 929 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

SPECIFIC REQUIREMENTS

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GRP005 Plant Wide

- 930 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 931 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 932 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 933 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 934 Louisiana Generating's Big Cajun II Power Plant shall secure one allowance for each ton of SO₂ emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Big Cajun II Power Plant's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]
- 935 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

GRP006 Acid Rain Affected Sources

- 936 The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33:III.505, 40 CFR 72.9(a)(1)]
- 937 Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit [LAC 33:III.505, 40 CFR 72.9(a)(2)]
- 938 Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]
- 939 The owners and operators shall hold allowances, as of the allowance transfer deadline, in the source's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the source and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [LAC 33:III.505, 40 CFR 72.9(c)(1)]
- 940 An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]
- 941 Comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [LAC 33:III.505, 40 CFR 72.9(d)]
- 942 The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]
- 943 The owners and operators of an affected source that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]

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GRP006 Acid Rain Affected Sources

- 944 Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.□
- 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.□
- 2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.□
- 3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.□
- 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [LAC 33:III.505, 40 CFR 72.9(f)(1)]□
- 945 The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [LAC 33:III.505, 40 CFR 72.9(f)(2)]
- 946 To determine SO2 emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a SO2 continuous emission monitoring system and a flow monitoring system with an automated data acquisition and handling system for measuring and recording SO2 concentration (in ppm), volumetric gas flow (in scfh), and SO2 mass emissions (in lb/hr) discharged to the atmosphere, except as provided in 40 CFR 75.11 and 75.16 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(1)]
- 947 To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/MMBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]
- 948 Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.13 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(3)]
- 949 Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. [40 CFR 75.10(a)(4)]
- 950 The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MM Btu for NOX). [40 CFR 75.10(b)]
- 951 The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]
- 952 The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]
- 953 The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]

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GRP006 Acid Rain Affected Sources

- 954 The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. (40 CFR 75.53(c), 75.54, 75.55, & 75.56 applicable prior to April 1, 2000.). [40 CFR 75.10(g)]
- 955 Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. [40 CFR 75.14(a)]
- 956 Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements. [40 CFR 75]
- 957 Excess emissions of NOX under 40 CFR 77.6 shall be calculated in accordance with 40 CFR 76.13. [40 CFR 76.13]
- 958 The following applies to EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3:
- Determine the annual average NOX emission rate, in lb/MM Btu, using the methods and procedures specified in 40 CFR 75. [40 CFR 76.5(b)]
- 959 The following applies to EQT021, 15-01 - Boiler No. 4(2B4):
- Do not discharge, or allow to be discharged, emissions of NOX to the atmosphere in excess of 0.46 lb/MM Btu of heat input on an average annual basis. NOX limit of 0.07 lb/MM BTU determined as BACT in PSD-LA-677 is more stringent. [40 CFR 76.7(a)(2)]
- 960 The following applies to EQT021, 15-01 - Boiler No. 4(2B4):
- Determine the annual average NOX emission rate, in lb/MM Btu, using the methods and procedures specified in 40 CFR 75. [40 CFR 76.7(b)]
- 961 The designated representative shall submit, by the applicable deadline under 40 CFR 76.9(b), a complete Acid Rain permit application (or, if the unit is covered by an Acid Rain permit, a complete permit revision) that includes a complete compliance plan for NOX emissions covering the unit. [40 CFR 76.9(a)]
- 962 The designated representative shall submit a complete Acid Rain permit application, including a complete compliance plan for NOX emissions covering the unit, in accordance with the deadlines in 40 CFR 72.30(c). [40 CFR 76.9(d)]
- 963 The following applies to EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3:
- Pursuant to 40 CFR 76.8(d)(2), the State of Louisiana has approved a NOX early election plan for this unit. This NOX compliance plan is effective through 2007. Under the plan, this unit's annual average NOX emissions rate for each year, determined in accordance with 40 CFR part 75, shall not exceed the applicable emission limitation under 40 CFR 76.5(a)(2) of 0.50 lb/MM Btu for dry bottom wall-fired units. If the unit is in compliance with its applicable NOX emission limitation for each year of the plan, then the unit shall not be subject to the applicable emission limitation under 40 CFR 76.7(a)(2) of 0.46 lb/MM Btu until January 1, 2008. [40 CFR 76]

GRP007 2B1, 2B2, & 2B3 - Boiler NOX Emission Cap

- 964 Permittee shall use a Continuous Emission Monitoring System (CEMS) to monitor NOX emissions continuously from EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3.
- [LAC 33:III.501.C.6]
- 965 Nitrogen dioxide \leq 17715.30 tons/yr for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined NOX emissions for EQT027, EQT028, & EQT029, exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 966 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total NOX emissions for EQT027, EQT028, & EQT029 each month, as well as the total the combined NOX emissions for EQT027, EQT028, & EQT029 for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 967 Submit report: Due annually, by the 31st of March. Report the combined NOX emissions for EQT027, EQT028, & EQT029 for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

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GRP008 Scenario 1: 15-01 Cold SU - Boiler No. 4 Cold Start/Shutdown

- 968 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 969 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total number of startup/shutdowns each month, as well as the total number of startup/shutdowns for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 970 Submit report: Due annually, by the 31st of March. Report the number of startup/shutdowns for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 971 Equipment/operational data: ≤ 12 cold startup/shutdowns per year. Compliance with this limitation shall commence upon the first Commercial Operating Date (COD) or the end of the shutdown period of the boiler. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total number of startup/shutdowns exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 972 Determined to be BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM/ PM10: 98.49 lb/hr; Use low ash fuels and good combustion practices.
SO2: 984.9 lb/hr; Use low sulfur fuel oil and activate the Wet FGD system once coal is added during startup.
NOX: 1,447.8 lb/hr; Use the combustion controls in place and best operation practices. Activate the SCR once the appropriate parameters are reached during startup.
CO: 1,313.2 lb/hr; Use good combustion practices.
VOC: 33.49 lb/hr; Use appropriate combustion control techniques. [LAC 33:III.509]

GRP009 Scenario 2: 15-01 Hot SU - Boiler No. 4 Hot Start/Shutdown

- 973 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 974 Equipment/operational data recordkeeping by *electronic or hard copy monthly*. Keep records of the total number of startup/shutdowns each month, as well as the total number of startup/shutdowns for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 975 Submit report: Due annually, by the 31st of March. Report the number of startup/shutdowns for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 976 Equipment/operational data: ≤ 12 hot startup/shutdowns per year. Compliance with this limitation shall commence upon the first Commercial Operating Date (COD) or the end of the shutdown period of the boiler. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total number of startup/shutdowns exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 977 Determined to be BACT in PSD-LA-677(M-1):
Maximum Allowable Emission Rates:
PM/ PM10: 83.0 lb/hr; Use low ash fuels and good combustion practices.
SO2: 829.8 lb/hr; Use low sulfur fuel oil and activate the Wet FGD system once coal is added during startup.
NOX: 1,130.2 lb/hr; Use the combustion controls in place and best operation practices. Activate the SCR once the appropriate parameters are reached during startup.
CO: 1,106.4 lb/hr; Use good combustion practices.
VOC: 21.4 lb/hr; Use appropriate combustion control techniques. [LAC 33:III.509]